ONKYO®

AV Receiver

TX-LR552

Instruction Manual

Thank you for purchasing an Onkyo AV Receiver.
Please read this manual thoroughly before making
connections and plugging in the unit.
Following the instructions in this manual will enable
you to obtain optimum performance and listening
enjoyment from your new AV Receiver.
Please retain this manual for future reference.

Contents

En

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING	AVIS
RISK OF ELECTRIC SHOCK DO NOT OPEN	RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

    PORTABLE CART WARNING

    S3125A
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. Damage Requiring Service
    Unplug the apparatus from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    A. When the power-supply cord or plug is damaged,
    B. If liquid has been spilled, or objects have fallen into the apparatus,
    C. If the apparatus has been exposed to rain or water,
    D. If the apparatus does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the apparatus to its normal operation,
    E. If the apparatus has been dropped or damaged in any way, and
    F. When the apparatus exhibits a distinct change in performance this indicates a need for service.
16. Object and Liquid Entry
    Never push objects of any kind into the apparatus through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
    The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus.
    Don't put candles or other burning objects on top of this unit.
17. Batteries
    Always consider the environmental issues and follow local regulations when disposing of batteries.
18. If you install the apparatus in a built-in installation, such as a bookcase or rack, ensure that there is adequate ventilation.
    Leave 20 cm (8") of free space at the top and sides and 10 cm (4") at the rear. The rear edge of the shelf or board above the apparatus shall be set 10 cm (4") away from the rear panel or wall, creating a flue-like gap for warm air to escape.

Precautions

1. **Recording Copyright**—Unless it's for personal use only, recording copyrighted material is illegal without the permission of the copyright holder.
2. **AC Fuse**—The AC fuse inside the TX-LR552 is not user-serviceable. If you cannot turn on the TX-LR552, contact your Onkyo dealer.
3. **Care**—Occasionally you should dust the TX-LR552 all over with a soft cloth. For stubborn stains, use a soft cloth dampened with a weak solution of mild detergent and water. Dry the TX-LR552 immediately afterwards with a clean cloth. Don't use abrasive cloths, thinners, alcohol, or other chemical solvents, because they may damage the finish or remove the panel lettering.
4. **Power**
   WARNING
   BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.
   AC outlet voltages vary from country to country. Make sure that the voltage in your area meets the voltage requirements printed on the TX-LR552's rear panel (e.g., AC 120 V, 60 Hz).

   Setting the [STANDBY/ON] button to STANDBY does not fully shutdown the TX-LR552. If you do not intend to use the TX-LR552 for an extended period, remove the power cord from the AC outlet.

Memory backup

The TX-LR552 uses a battery-less memory backup system in order to retain radio presets and other settings when it's unplugged or in the case of a power failure. Although no batteries are required, the TX-LR552 must be plugged into an AC outlet in order to charge the backup system.
Once it has been charged, the TX-LR552 will retain the settings for several weeks, although this depends on the environment and will be shorter in humid climates.

For U.S. models

Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

FCC Information for User
CAUTION:
The user changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For Canadian Models

NOTE: THIS CLASS B DIGITAL APPARATUS COMPLIES WITH CANADIAN ICES-003.
For models having a power cord with a polarized plug:
CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

Modèle canadien

REMARQUE: CET APPAREIL NUMÉRIQUE DE LA CLASSE B EST CONFORME À LA NORME NMB-003 DU CANADA.
Sur les modèles dont la fiche est polarisée:
ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Supplied Accessories

Make sure you have the following accessories:
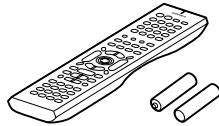
Remote controller & two batteries (AA/R6)
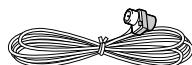
Indoor FM antenna

AM loop antenna
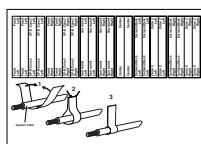
Speaker cable labels

* In catalogs and on packaging, the letter added to the end of the product name indicates the color of the TX-LR552. Specifications and operation are the same regardless of color.

Features

Amplification

- 6 x 65 W/Ch at 6 Ohm (FTC)
- Built-in Onkyo digital amplifier technology
- Optimum gain volume circuitry
- Discrete output stage circuitry

Processing

- Dolby Digital EX and Pro Logic IIx[1]
- DTS and DTS-ES, DTS 96/24[2]
- DTS NEO:6 processing
- CinemaFILTER[3]
- Double bass function
- Non-scaling configuration
- Linear PCM 96 kHz/24-bit D/A converters
- Powerful and highly accurate 24-bit DSP processing
- Source direct mode

Video

- HDTV capable (50 MHz) component video switching (2 inputs/1 output)
- 3 S-Video inputs/2 outputs
- Composite to S-Video upconversion
- All video inputs upconverted to component

Connections

- 3 Digital inputs (2 optical/1 coaxial/3 assignable)
- 2 Component inputs/1 output
- Color-coded speaker posts
- Color-coded multi-channel inputs for Super Audio CD and DVD-Audio

Miscellaneous

- Slim design and easy-to-use key operation
- Crossover adjustment (60/80/100/120/150 Hz)
- Speaker auto detect
- Brushed aluminum front panel
- A/B speaker drive
- Preprogrammed ꟼI-compatible remote

1. Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.
2. "DTS," "DTS 96/24," "DTS-ES," and "Neo:6" are trademarks of Digital Theater Systems, Inc.
3. CinemaFILTER is a trademark of Onkyo Corporation.

Table of Contents

Front & Rear Panels

Front Panel
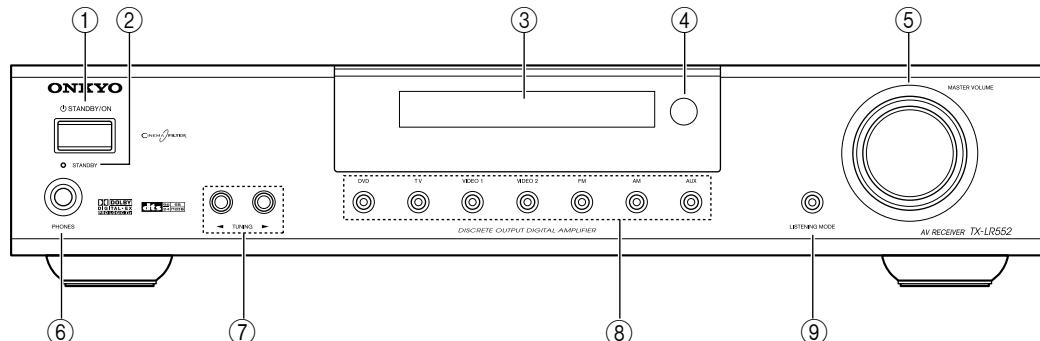
For detailed information, refer to the pages in parenthesis.

① **STANDBY/ON button (27)**

This button is used to set the TX-LR552 to On or Standby.

② **STANDBY indicator (27)**

This indicator lights up when the TX-LR552 is in Standby mode, and it flashes while a signal is being received from the remote controller.

③ **Display**

See "Display" on page 7 for more information.

④ **Remote control sensor (9)**

This sensor receives control signals from the remote controller.

⑤ **MASTER VOLUME control (31)**

This control is used to set the volume of the TX-LR552.

⑥ **PHONES jack (33)**

This 1/4-inch phone jack is for connecting a standard pair of stereo headphones for private listening.

⑦ **TUNING [◄]/[►] buttons (34)**

These buttons are used to tune the radio.

⑧ **Input Selector buttons (31, 45)**

These buttons are used to select the input source.

⑨ **LISTENING MODE button (37)**

This button is used to select the listening modes. It's illuminated while the TX-LR552 is on.

Front & Rear Panels—*Continued*

Display
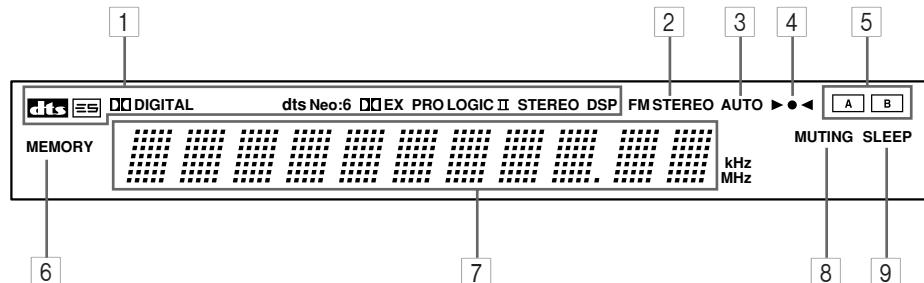
For detailed information, refer to the pages in parenthesis.

1 **Source/listening mode indicators (39)**
These indicators show the currently selected listening mode and digital audio format.

2 **FM STEREO indicator (34)**
This indicator lights up when the radio is tuned to a stereo FM station.

3 **AUTO indicator (34)**
This indicator lights up when the Auto Tuning mode is selected. Stereo FM stations can be enjoyed in this mode.

4 **Tuned ►●◄ indicator (34)**
This indicates the radio reception status.

5 **A & B speaker indicators (31)**
Indicator A lights up when speaker set A is on. Indicator B lights up when speaker set B is on.

6 **MEMORY indicator (35)**
This indicator flashes when presetting radio stations.

7 **Message area**
This area of the display shows various information about the currently selected source.

8 **MUTING indicator (32)**
This indicator flashes when the TX-LR552 is muted.

9 **SLEEP indicator (33)**
This indicator lights up when the Sleep function has been set.

Front & Rear Panels—*Continued*

Rear Panel
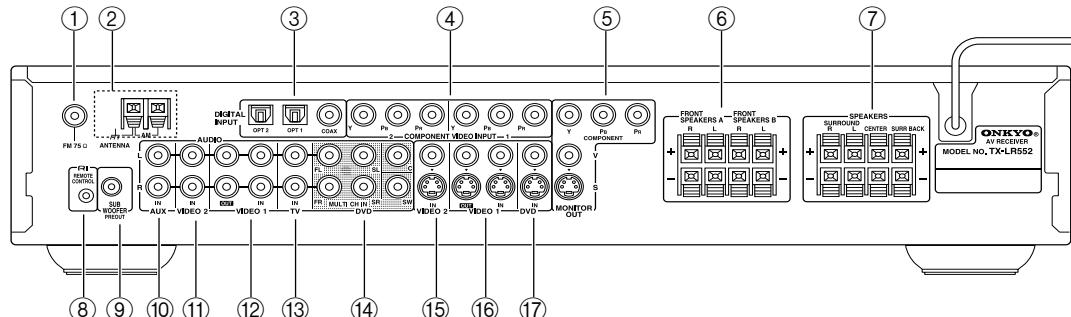
For detailed information, refer to the pages in parenthesis.

① **FM ANTENNA (16)**

This socket is for connecting an FM antenna.

② **AM ANTENNA (16, 17)**

These push terminals are for connecting an AM antenna.

③ **DIGITAL INPUT OPT 1, OPT2 & COAX (18–21, 23–26)**

These optical and coaxial digital audio inputs can be used to connect a DVD, CD, LD (laser disc) player or other components with digital audio outputs.

④ **COMPONENT VIDEO INPUT 1, 2 (18–21, 23, 24)**

These component video inputs can be used to connect AV components with component video outputs, such as DVD players and TVs. Component video connections provide better picture quality than S-Video. Use dedicated component video cables.

⑤ **MONITOR OUT (19, 20)**

These component video, S-Video, and composite video outputs can be connected to the video inputs on your TV or projector.

⑥ **FRONT SPEAKERS A & B (15)**

These push terminals are for connecting front speakers.

⑦ **SPEAKERS (15)**

These push terminals are for connecting speaker set A, including the surround left, surround right, center, and surround back speakers.

⑧ **RI REMOTE CONTROL (27)**

This RI (Remote Interactive) socket can be connected to the RI socket on another Onkyo component. The TX-LR552's remote controller can then be used to control that component. To use RI, you must make an analog audio connection (RCA) between the TX-LR552 and the other component, even if they are connected digitally.
Note:

RI can only be used with Onkyo components.

⑨ **SUBWOOFER PRE OUT (15)**

A powered subwoofer can be connected here.

⑩ **AUX AUDIO IN (25, 26)**

An audio component such as a CD player can be connected here by using an RCA audio cable.

⑪ **VIDEO 2 AUDIO IN (23, 25)**

The audio output of a set-top box (cable, satellite, over-the-air) can be connected here by using an RCA audio cable.

⑫ **VIDEO 1 AUDIO IN/OUT (22, 23, 25)**

The audio input and output of a VCR or MD recorder can be connected here by using RCA audio cables.

⑬ **TV AUDIO IN (20)**

The audio output of a TV can be connected here by using an RCA audio cable.

⑭ **DVD MULTI CH IN (22)**

The stereo analog audio output or multichannel (5.1-channel) analog audio output of a DVD player can be connected here.

⑮ **VIDEO 2 IN (23, 24)**

The S-Video or composite video output of a set-top box (cable, satellite, over-the-air) can be connected here.

⑯ **VIDEO1 IN/OUT (22, 23, 25)**

The S-Video or composite video input and output of a VCR can be connected here.

⑰ **DVD IN (21)**

The S-Video or composite video output of a DVD player can be connected here.

8

# Before Using the TX-LR552

Installing the Batteries

1 **To open the battery compartment, press the small hollow and slide off the cover.**
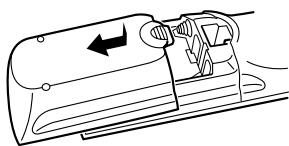
2 **Insert the two supplied batteries (AA/R6) in accordance with the polarity diagram inside the battery compartment.**
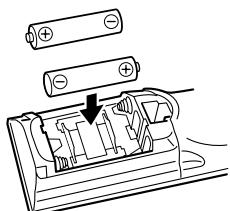
*3* **Put the cover onto the remote controller and slide it shut.**
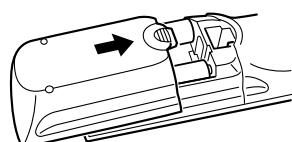
Notes:
- The batteries should last for about six months, although this will vary with usage.
- If the remote controller doesn't work reliably, try replacing the batteries.
- Don't mix new and old batteries or different types of batteries.
- If you intend not to use the remote controller for a long time, remove the batteries to prevent damage from leakage or corrosion.
- Expired batteries should be removed as soon as possible to prevent damage from leakage or corrosion.

Using the Remote Controller

To use the remote controller, point it at the TX-LR552's remote control sensor, as shown below.

Remote control sensor

STANDBY indicator

30° 30° Approx. 16 ft. (5 m)
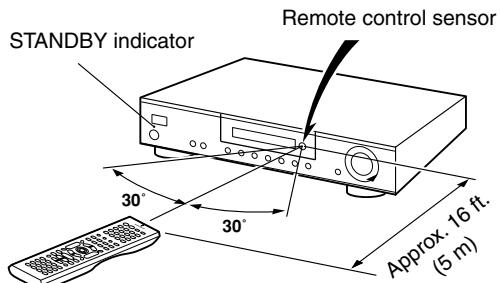
Notes:
- The remote controller may not work reliably if the TX-LR552 is subjected to bright light, such as direct sunlight or inverter-type fluorescent lights. Keep this in mind when installing.
- If another remote controller of the same type is used in the same room, or the TX-LR552 is installed close to equipment that uses infrared rays, the remote controller may not work reliably.
- Don't put anything, such as a book, on the remote controller, because the buttons may be pressed inadvertently, thereby draining the batteries.
- The remote controller may not work reliably if the TX-LR552 is installed in a rack behind colored glass doors. Keep this in mind when installing.
- The remote controller will not work if there's an obstacle between it and the TX-LR552's remote control sensor.

Remote Controller

AMP/TUNER Mode

AMP/TUNER mode is used to control the TX-LR552.

To select AMP/TUNER mode, press the REMOTE MODE [AMP] button.

Transmit indicator
This indicator lights up when the remote controller is transmitting commands.

AMP/ TUNER mode

RC-577S
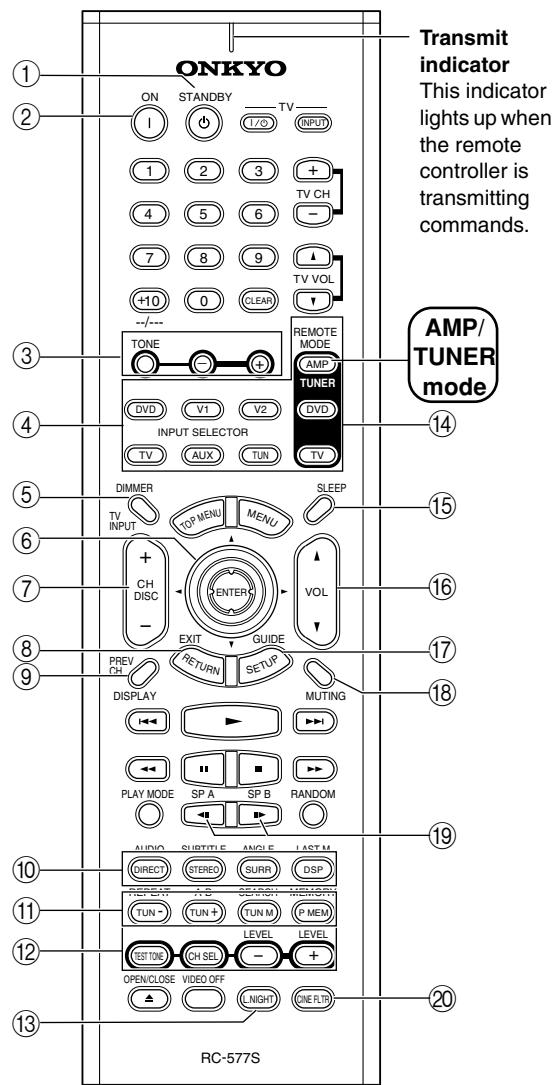
For detailed information, refer to the pages in parenthesis.

① **STANDBY button (27)**
This button is used to set the TX-LR552 to Standby.

② **ON button (27)**
This button is used to turn on the TX-LR552.

③ **TONE, [–] & [+] buttons (50)**
These buttons are used to adjust the bass and treble.

④ **INPUT SELECTOR buttons (29–31)**
These buttons are used to select the input source.

⑤ **DIMMER button (32)**
This button is used to adjust the display brightness.

⑥ **Arrow [▲]/[▼]/[◄]/[►] & ENTER button**
This button is used to select and adjust settings.

⑦ **CH +/– button (35)**
This button is used to select radio presets.

⑧ **RETURN button**
This button is used to return to the previous screen when changing settings.

⑨ **DISPLAY button (36, 44)**
This button is used to display various information about the currently selected input source.

⑩ **Listening mode buttons (37)**

DIRECT button
This button is used to select the Direct listening mode.

STEREO button
This button is used to select the Stereo listening mode.

SURR button
This button is used to select the Dolby and DTS listening modes.

DSP button
This button is used to select the Onkyo original DSP (digital signal processor) listening modes.

⑪ **TUN–, TUN+, TUN M & P MEM buttons (34, 35)**
These buttons are used with the tuner.

⑫ **TEST TONE, CH SEL, LEVEL– & LEVEL+ buttons (28, 29, 42)**
These buttons are used to adjust the level of each speaker individually.

⑬ **L.NIGHT button (42)**
This button is used to set the Late Night function.

⑭ **REMOTE MODE buttons**
These buttons are used to select the remote controller modes. When you use the remote controller, the mode button for the currently selected mode lights up.

⑮ **SLEEP button (33)**
This button is used to set the Sleep function.

⑯ **VOL ▲/▼ button (31)**
This button is used to set the volume of the TX-LR552.

⑰ **SETUP button**
This button is used to access various settings.

⑱ **MUTING button (32)**
This button is used to mute the TX-LR552.

⑲ **SP A & SP B buttons (31)**
These buttons are used to turn on and off speaker sets A and B.

⑳ **CINE FLTR button (42)**
This button is used to set the CinemaFILTER function.

10

Remote Controller—*Continued*

TV Mode

TV mode can be used to control your TV. You must enter the appropriate remote control code for your TV before using this mode (see page 53).

To select TV mode, press the REMOTE MODE [TV] button.

> **To listen to the sound from your TV through the TX-LR552, before selecting TV mode, press the REMOTE MODE [AMP] button followed by the [TV] INPUT SELECTOR button to select your TV as the input source.**

TV
Press before selecting TV mode.

TV mode

RC-577S
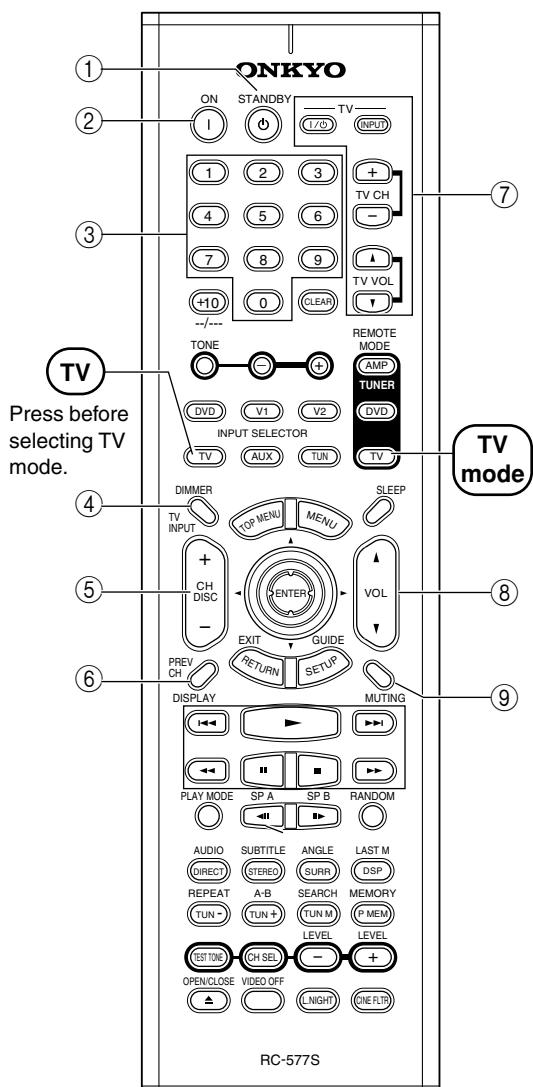
① **STANDBY button**
This button is used to set the TV to Standby.

② **ON button**
This button is used to turn on the TV.

③ **Number buttons**
These buttons are used to enter TV channel numbers.

④ **TV INPUT button**
This button is used to select the TV's AV inputs.

⑤ **CH +/– button**
This button is used to select channels on the TV.

⑥ **PREV CH button**
This button is used to select the previously selected channel on the TV.

⑦ **TV buttons**
These buttons control the TV regardless of which remote controller mode is selected.

TV ⏻/| button
This button is used to turn on the TV and to set it to Standby.

TV INPUT button
This button is used to select the TV's AV inputs. It works the same as button ④.

TV CH +/– buttons
These buttons are used to select channels on the TV. They work the same as button ⑤.

TV VOL buttons
These buttons are used to adjust the TV's volume. They work the same as button ⑧.

⑧ **VOL ▲/▼ button**
This button is used to adjust the TV's volume.

⑨ **MUTING button**
This button mutes the TV's volume.

11

Remote Controller—*Continued*

DVD Mode

DVD mode can be used to control an Onkyo DVD player connected to the TX-LR552 via ꓤI. It can also be used to control other DVD players (see page 53).

To select DVD mode, press the REMOTE MODE [DVD] button.

Before selecting DVD mode and starting play-back, press the REMOTE MODE [AMP] button followed by the [DVD] INPUT SELECTOR button to select your DVD player as the input source.
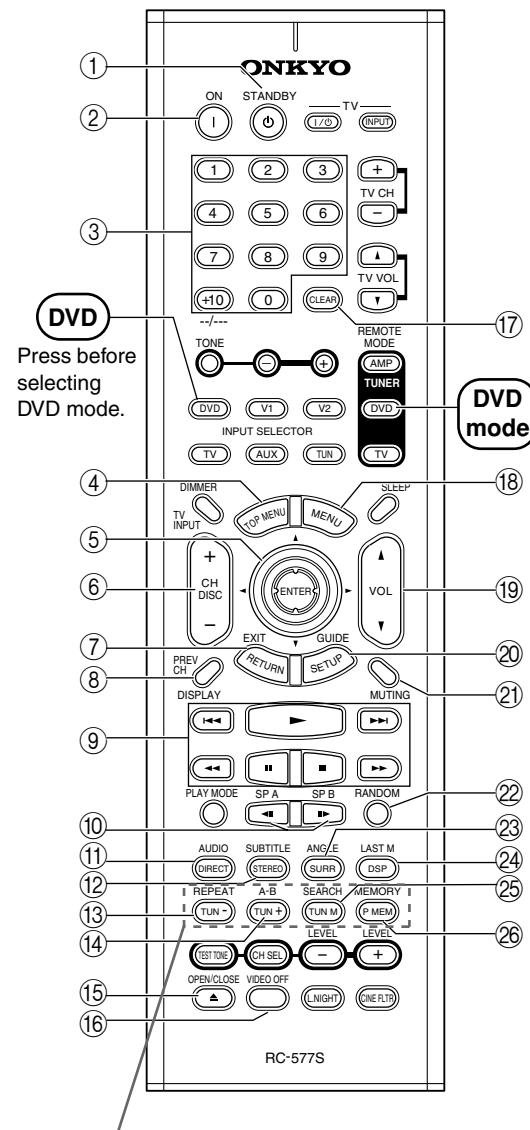
Note:
Depending on your DVD player, pressing this button may display an onscreen play mode menu.

12

Remote Controller—*Continued*

1 **STANDBY button**

This button is used to set the DVD player to Standby.

2 **ON button**

This button is used to turn on the DVD player and set it to Standby.

3 **Number buttons**

These buttons are used to enter title, chapter, and track numbers and times for locating specific points in time.

4 **TOP MENU button**

This button is used to select a DVD's top menu.

5 **Arrow [▲]/[▼]/[◄]/[►] & ENTER button**

This button is used to navigate DVD menus and the DVD player's onscreen setup menus.

6 **DISC +/– button**

This button selects discs on a DVD changer.

7 **RETURN/EXIT button**

This button is used to return to the DVD player's previously displayed onscreen setup menu, and to exit the onscreen setup menus.

8 **DISPLAY button**

This button is used to display information about the current disc, title, chapter, or track on the DVD player's display, including the elapsed time, remaining time, total time, and so on.

9 **Playback buttons**

From left to right: Previous, Play, Next, Fast Reverse, Pause, Stop, and Fast Forward. They can also be used in AMP mode.

10 **Step & Slow [◄ɪɪ]/[ɪɪ►] buttons**

These buttons are used for frame-by-frame playback and slow-motion playback. They can also be used in AMP mode.

11 **AUDIO button**

This button is used to select foreign language soundtracks and audio formats (e.g., Dolby Digital or DTS).

12 **SUBTITLE button**

This button is used to select subtitles.

13 **REPEAT button**

This button is used to set the repeat playback functions. Depending on your DVD player, pressing this button may display an onscreen play mode menu.

14 **A-B button**

This button is used to set the A–B repeat playback function. Depending on your DVD player, pressing this button may display an onscreen play mode menu.

15 **OPEN/CLOSE [▲] button**

This button is used to open and close the disc tray.

16 **VIDEO OFF button**

This button is used to turn off the internal video circuitry, eliminating the possibility of interference when playing audio-only discs.

17 **CLEAR button**

This button is used to cancel functions and to clear entered numbers.

18 **MENU button**

This button is used to display a DVD's menu.

19 **VOL ▲/▼ button**

This button sets the volume of the TX-LR552.

20 **SETUP/GUIDE button**

This button is used to access the DVD player's onscreen setup menus.

21 **MUTING button**

This button mutes the TX-LR552.

22 **RANDOM button**

This button is used with the random playback function.

23 **ANGLE button**

This button is used to select different camera angles.

24 **LAST M button**

This button is used with the last memory function, which allows you to resume DVD playback from where you left off.

25 **SEARCH button**

This button is used to search for titles, chapters, tracks, and specific points in time. Depending on your DVD player, pressing this button may display an onscreen play mode menu.

26 **MEMORY button**

This button is used with the memory playback function, which allows you to create a custom playlist of titles, chapters, and tracks. Depending on your DVD player, pressing this button may display an onscreen play mode menu.

13

About Home Theater

Enjoying Home Theater

You can use two sets of speakers with the TX-LR552: speaker set A and speaker set B.

Speaker set A should be installed in your main listening room and can be used with Dolby Digital and DTS surround material. Each speaker must be positioned at a specific location in your listening room to get the best from surround sound material. The following illustration shows the best positions for your surround-sound speakers.

Speaker set B can be installed in another room and used with stereo and mono material. Speakers can be positioned in the standard position for stereo speakers or however you like.

Center speaker
This speaker enhances the front left and right speakers, making sound movements distinct and providing a full sound image. In movies it's used mainly for dialog.
Position it close to your TV (preferably on top) facing forward at about ear level, or at the same height as the front left and right speakers.

Front left and right speakers
These output the overall sound. Their role in a home theater is to provide a solid anchor for the sound image. They should be positioned facing the listener at about ear level, and equidistant from the TV. Angle them inward so as to create a triangle, with the listener at the apex.
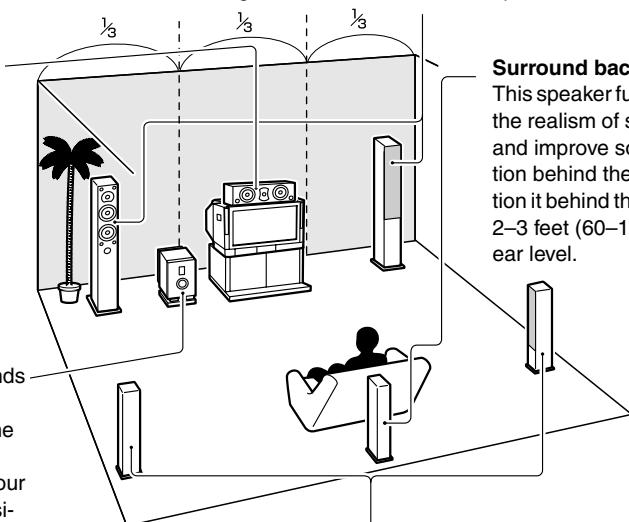
Surround back speaker
This speaker furthers enhance the realism of surround sound and improve sound localization behind the listener. Position it behind the listener about 2–3 feet (60–100 cm) above ear level.

Subwoofer
The subwoofer handles the bass sounds of the LFE (Low-Frequency Effects) channel. The volume and quality of the bass output from your subwoofer will depend on its position, the shape of your listening room, and your listening position. In general, a good bass sound can be obtained by installing the subwoofer in a front corner, or at one-third the width of the wall, as shown.

Surround left and right speakers
These speakers are used for precise sound positioning and to add realistic ambience. Position them at the sides of the listener, or slightly behind, about 2–3 feet (60–100 cm) above ear level. Ideally they should be equidistant from the listener.

Speaker Configuration

For the best surround-sound experience, you should connect six speakers and a powered subwoofer.
The following table shows which channels you should use depending on the number of speakers that you have.

Number of speakers:	2	3	4	5	6
Front left	✓	✓	✓	✓	✓
Front right	✓	✓	✓	✓	✓
Center		✓		✓	✓
Surround left			✓	✓	✓
Surround right			✓	✓	✓
Surround back					✓

No matter how many speakers you use, a powered subwoofer is recommended for a really powerful and solid bass sound.

To get the best from your surround-sound system, as a bare minimum you need to do the Speaker Setup (see "Speaker Setup" on page 28). This consists of automatically detecting which speakers are connected and adjusting the volume level of each speaker. For a more detailed setup, you should specify which speakers are connected and their sizes (see page 46), adjust the subwoofer crossover frequency (see page 47), specify the distance from each speaker to the listening position (see page 48), and then adjust the volume level of each speaker (see "Speaker Level Calibration (Test Tone)" on page 28).

Connecting Speakers

Connecting Speakers

Before you connect your speakers, read the following:
- Disconnect the power cord from the wall outlet.
- Read the instructions supplied with your speakers.
- Pay close attention to speaker wiring polarity. In other words, connect positive (+) terminals only to positive (+) terminals, and negative (–) terminals only to negative (–) terminals. If you get them the wrong way around, the sound will be out of phase and will sound odd.
- Only use speakers with an impedance of between 6 and 16 ohms. If you use speakers with a lower impedance, and use the amplifier at high volume levels for a long period of time, the built-in protection circuit may be activated.
- Unnecessarily long or very thin speaker cables may affect the sound quality and should be avoided.
- Be careful not to short the positive and negative connections. Doing so may damage the TX-LR552.
- Don't connect more than one cable to each speaker terminal. Doing so may damage the TX-LR552.
- If you want to connect a single speaker instead of a pair, connect it to either the left or right speaker terminals, not both.
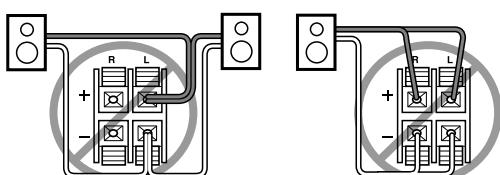
Attaching the Speaker Labels

The TX-LR552's positive (+) speaker terminals are color-coded for ease of identification. (The negative (–) speaker terminals are all black.)

Speaker terminal	Color
Front left	White
Front right	Red
Center	Green
Surround left	Blue
Surround right	Gray
Surround back	Brown

The supplied speaker labels are also color-coded and you should attach them to the positive (+) side of each speaker cable in accordance with the above table.

Connecting the Other Speaker Cables

| 1	**Strip 3/8" (10 mm) of insulation from the ends of the speaker cables, and twist the bare wires tightly.**
2	**While pushing the lever, insert the wire into the hole, and then release the lever.** Make sure that the speaker connectors are gripping the bare wires, not the insulation.
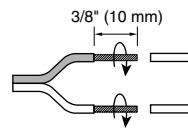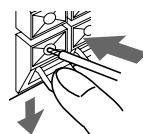
The following illustration shows which speakers should be connected to which terminals.

The SUBWOOFER PRE OUT should be connected to the input on your powered subwoofer. If your subwoofer doesn't have an amp built-in, you'll need to use an external amp. See the manual supplied with your subwoofer for more information.

Speaker set A

Speaker set B

15
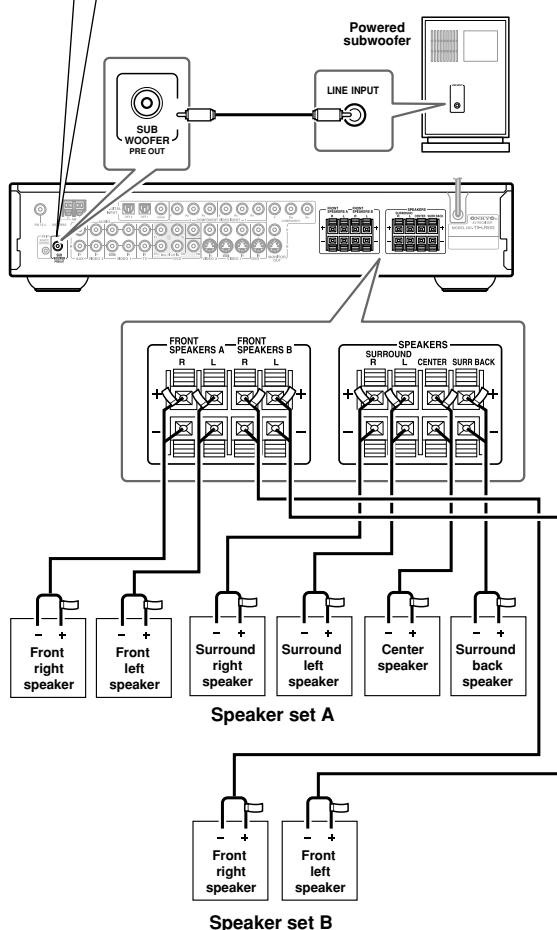
Connecting Antenna

Connecting Antenna

This chapter explains how to connect the supplied indoor FM antenna and AM loop antenna and how to connect commercially available outdoor FM and AM antennas.

The TX-LR552 won't pick up any radio signals without any antenna connected, so you must connect the antenna to use the tuner.

AM antenna push terminals
FM antenna socket
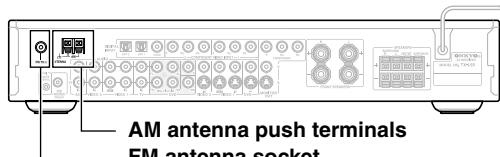
Connecting the Indoor FM Antenna

The supplied indoor FM antenna is for indoor use only.

1	**Attach the FM antenna, as shown.**

■ **American Model**

Insert the plug fully into the socket.
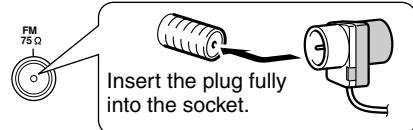
Once the TX-LR552 is ready for use, you'll need to tune into an FM radio station and adjust the position of the FM antenna to achieve the best possible reception.

2	**Use thumbtacks or something similar to fix the FM antenna into position.**
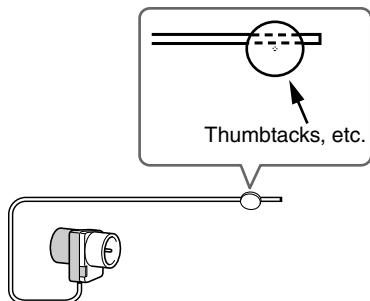
Thumbtacks, etc.

**Caution:** Be careful that you don't injure yourself when using thumbtacks.

If you cannot achieve good reception with the supplied indoor FM antenna, try a commercially available outdoor FM antenna instead (see page 17).

Connecting Antenna—*Continued*

Connecting the AM Loop Antenna

The supplied indoor AM loop antenna is for indoor use only.

1 **Assemble the AM loop antenna, inserting the tabs into the base, as shown.**
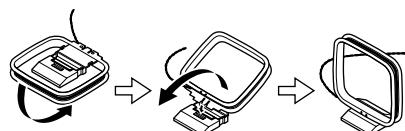
2 **Connect both wires of the AM loop antenna to the AM push terminals, as shown.**

Make sure that the wires are attached securely and that the push terminals are gripping the bare wires, not the insulation.

Push   Insert wire   Release

Black
White
ANTENNA   AM
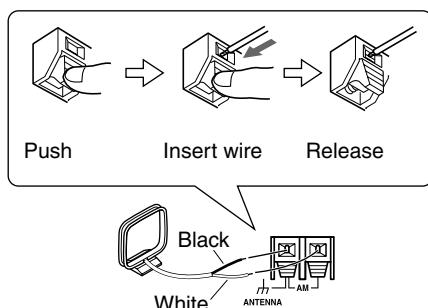
The antenna connection is polarity sensitive. Connect the black wire to the ground terminal ( ). Connect the white wire to the other terminal.

Once the TX-LR552 is ready for use, you'll need to tune into an AM radio station and adjust the position of the AM antenna to achieve the best possible reception.

Keep the antenna as far away as possible from the TX-LR552, TV, speaker cables, and power cords.

If you cannot achieve good reception with the supplied indoor AM loop antenna, try using it with a commercially available outdoor AM antenna (see page 17).

Connecting an Outdoor FM Antenna

If you cannot achieve good reception with the supplied indoor FM antenna, try a commercially available outdoor FM antenna instead.


FM 75
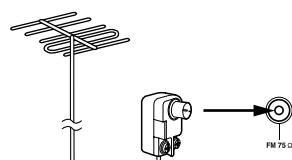
Notes:
- Outdoor FM antennas work best outside, but usable results can sometimes be obtained when installed in an attic or loft.
- For best results, install the outdoor FM antenna well away from tall buildings, preferably with a clear line of sight to the transmitter.
- Outdoor antenna should be located away from possible noise sources, such as neon signs, busy roads, etc.
- For safety reasons, outdoor antenna should be situated well away from power lines and other high-voltage equipment.
- Outdoor antenna must be grounded in accordance with local regulations to prevent electrical shock hazards.

■ Using a TV/FM Antenna Splitter

It's best not to use the same antenna for both FM and TV reception, as this can cause interference problems. If circumstances demand it, use a TV/FM antenna splitter, as shown.

TV/FM antenna splitter

To TX-LR552   To TV (or VCR)
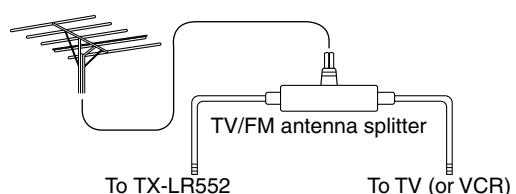
Connecting an Outdoor AM Antenna

If good reception cannot be achieved using the supplied AM loop antenna, an outdoor AM antenna can be used in addition to the loop antenna, as shown.

Outdoor antenna
Insulated antenna cable
AM loop antenna
Black
White
ANTENNA   AM
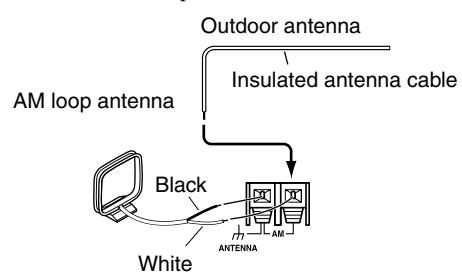
Outdoor AM antennas work best when installed horizontally outside, but good results can sometimes be obtained indoors by mounting horizontally above a window. Note that the AM loop antenna should be left connected.

Outdoor antenna must be grounded in accordance with local regulations to prevent electrical shock hazards.

17

Connecting AV Components

Before Making Any Connections

- Read the manuals supplied with your AV components.
- Don't connect the power cord until you've completed and double-checked all audio and video connections.

Optical Digital Inputs

The TX-LR552's optical digital inputs have shutter-type covers that open when an optical plug is inserted and close when it's removed. Push plugs in all the way.

Caution: To prevent shutter damage, hold the optical plug straight when inserting and removing.

RCA AV Connection Color Coding

RCA-type AV connections are usually color coded: red, white, and yellow. Use red plugs to connect right-channel audio inputs and outputs (typically labeled "R"). Use white plugs to connect left-channel audio inputs and outputs (typically labeled "L"). And use yellow plugs to connect composite video inputs and outputs.

Right (red) **Analog audio** Right (red)
Left (white)   Left (white)

(Yellow) **Composite video** (Yellow)
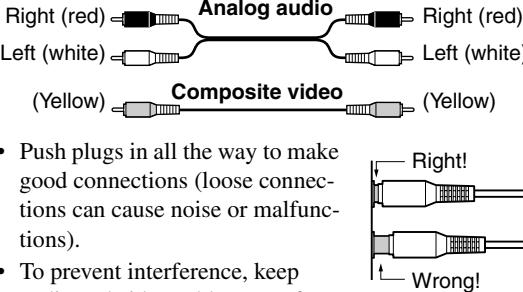
- Push plugs in all the way to make good connections (loose connections can cause noise or malfunctions).
- To prevent interference, keep audio and video cables away from power cords and speaker cables.

Right!

Wrong!

AV Cables & Sockets

■ Video

Cable	Socket	Description
Component video cable Y / PB / PR	Y PB PR	Component video separates the luminance (Y) and color difference signals (PR, PB), providing the best picture quality. (Some TV manufacturers label their component video sockets slightly differently.)
S-Video cable	S	S-Video separates the luminance and color signals and provides better picture quality than composite video.
Composite video cable	V	Composite video is commonly used on TVs, VCRs, and other video equipment. Use only dedicated composite video cables.

■ Audio

| Cable	Socket	Description
Optical digital audio cable	OPT 1	Offers the best sound quality and allows you to enjoy surround sound (e.g., Dolby Digital, DTS). The audio quality is the same as for coaxial.
Coaxial digital audio cable	COAX	Offers the best sound quality and allows you to enjoy surround sound (e.g., Dolby Digital, DTS). The audio quality is the same as for optical.
Analog audio cable (RCA)	L R	This cable carries analog audio. It's the most common connection format for analog audio, and can be found on virtually all AV components.
Multichannel analog audio cable (RCA)	FL SL C FR MULTI CH IN SR SW DVD	This cable carries multichannel analog audio and it's typically used to connect DVD players with individual 5.1-channel analog audio outputs. Several standard analog audio cables can be used instead of a multichannel cable.

18

Connecting AV Components—*Continued*

Connecting Both Audio & Video

By connecting the audio and video outputs of your DVD player and other video components to the TX-LR552, you can select both the audio and video source simultaneously simply by selecting the appropriate input source on the TX-LR552.
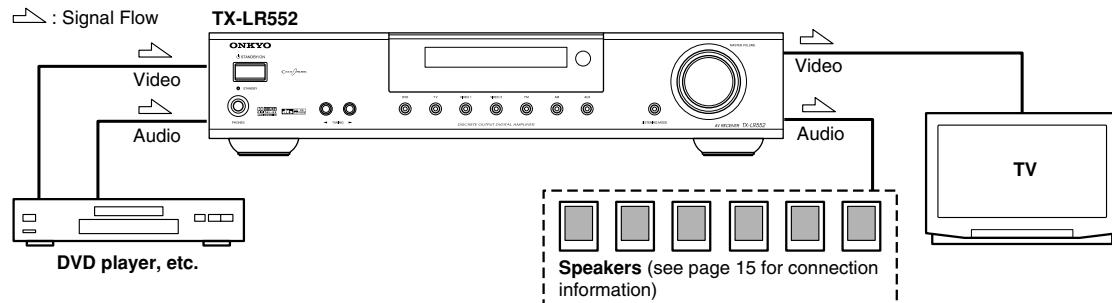

Which Connections Should I Use?

The TX-LR552 supports several connection formats for compatibility with a wide range of AV equipment. The format you choose will depend on the formats supported by your other components. Use the following sections as a guide.

For video components, you must make two connections—one for the audio, one for the video.

Video Connection Formats

Video equipment can be connected to the TX-LR552 by using any one of the following video connection formats: composite video, S-Video, or component video, the latter offering the best picture quality.

A video signal connected to a V or S IN jack will be converted—composite video to S-Video or S-Video to composite video—but only for the MONITOR OUT jacks, not the VIDEO 1 OUT V and S jacks.

Moreover, the TX-LR552 can be set to upconvert composite video and S-Video input signals and output them from the COMPONENT VIDEO OUT (see page 30).
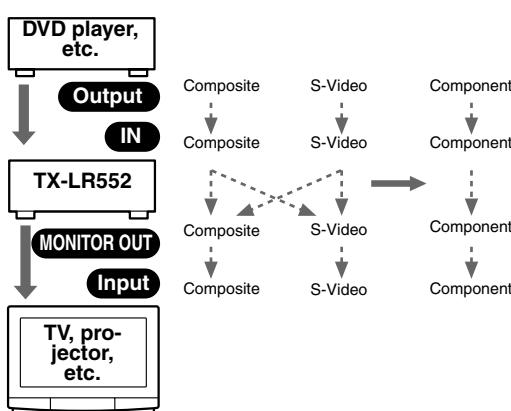

Audio Connection Formats

Audio equipment can be connected to the TX-LR552 using the following audio connection formats: analog, optical, coaxial, and multichannel.

When choosing a connection format, bear in mind that the TX-LR552 doesn't convert between formats.

For example, audio signals connected to an OPT or COAX digital input are not output by the analog VIDEO 1 AUDIO OUT, so if you want to record from, for example, your CD player, in addition to connecting it to a digital input, you must also connect it to the analog AUX IN.


19
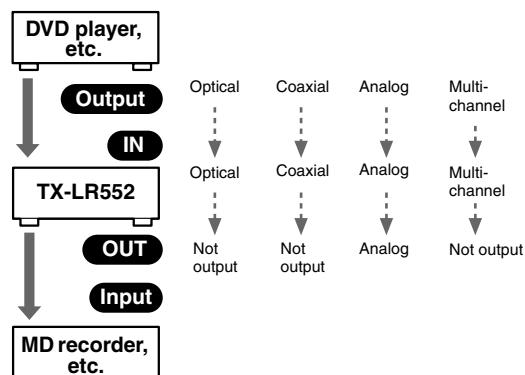
Connecting AV Components—*Continued*

### Connecting Your TV or Projector

Monitor Out

■ Using Composite Video

Use a composite video cable to connect the TX-LR552's V MONITOR OUT to a composite video input on your TV, as shown.
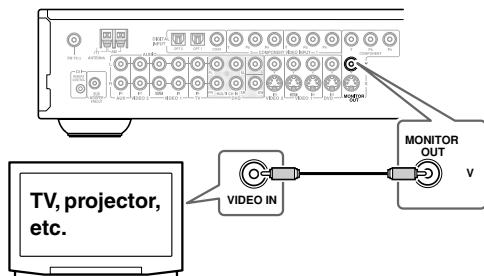
■ Using S-Video

Use an S-Video cable to connect the TX-LR552's S MONITOR OUT to an S-Video input on your TV, as shown.
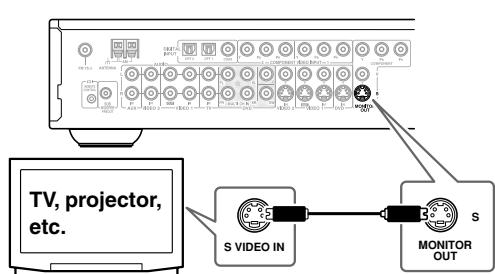
■ Using Component Video

Use a component video cable to connect the TX-LR552's COMPONENT MONITOR OUT to a component video input on your TV, as shown.
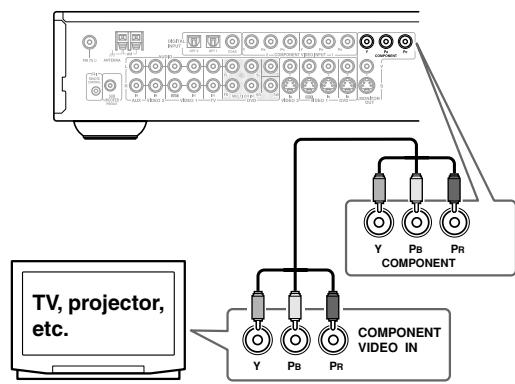
Audio Connections

These connections will allow you to listen to audio from your TV via the TX-LR552.

If your TV has no audio outputs, connect the TX-LR552 to your VCR and use its tuner (see page 22).

Note:
* Initially, the OPT 1 digital input is assigned to the TV input source. If you connect to a different digital audio input or only to an analog input, you'll need to assign it to the TV input source (see page 29).

■ Using a Coaxial or Optical Connection

* Use an optical digital audio cable to connect the TX-LR552's OPT 1 DIGITAL INPUT to the optical output on your TV, as shown.

OR

* Use a coaxial digital audio cable to connect the TX-LR552's COAX DIGITAL INPUT to the coaxial output on your TV, as shown.
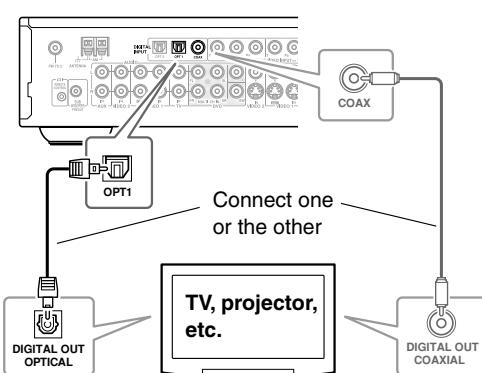
■ Using Analog Connections

If your TV doesn't have digital audio outputs, or you want to record from it, you'll need to make the following analog audio connections.

Use an analog audio cable to connect the TX-LR552's TV IN L/R inputs to the analog audio outputs on your TV, as shown.

20
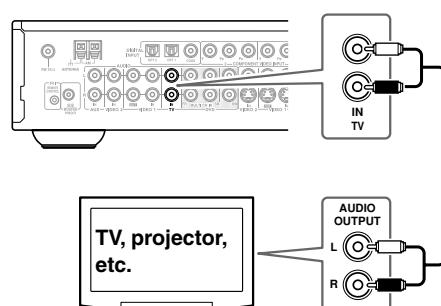
Connecting AV Components—*Continued*

Connecting Your DVD player

Video Connections

You only need to use one of the following video connection methods.

■ Using Composite Video
Use a composite video cable to connect the TX-LR552's V DVD IN to the composite video output on your DVD player, as shown.
• Your TV must also be connected via composite video.

DVD player — VIDEO OUT — IN DVD
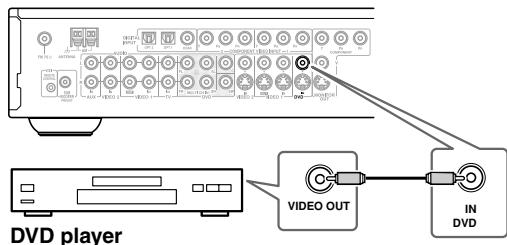
■ Using S-Video
Use an S-Video cable to connect the TX-LR552's S DVD IN to the S-Video output on your DVD player, as shown.
• Your TV must also be connected via S-Video.
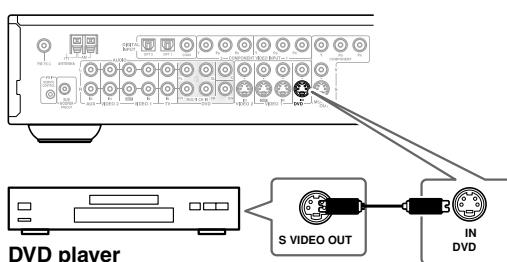
DVD player — S VIDEO OUT — IN DVD

■ Using Component Video
Use a component video cable to connect the TX-LR552's COMPONENT VIDEO INPUT 1 to the component video output on your DVD player, as shown.
• Your TV must also be connected via component video.

DVD player — COMPONENT VIDEO OUT (Y PB PR) — COMPONENT VIDEO INPUT 1 (Y PB PR)
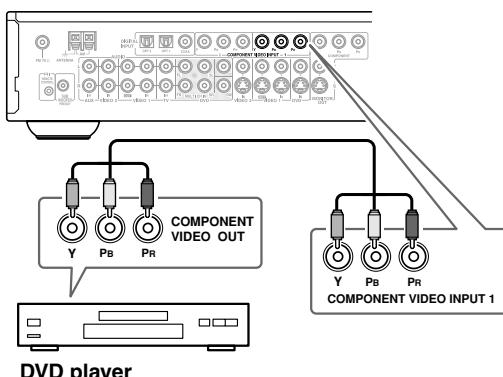
Audio Connections

Note:
• Initially, the COAX digital input is assigned to the DVD input source. If you connect your DVD player to a different digital input or only to an analog input, you'll need to assign it to the DVD input source (see page 29).

■ Using a Coaxial or Optical Connection
• Use a coaxial digital audio cable to connect the TX-LR552's COAX DIGITAL INPUT to the coaxial output on your DVD player, as shown.

OR

• Use an optical digital audio cable to connect the TX-LR552's OPT 1 DIGITAL INPUT to the optical output on your DVD player, as shown.

COAX / OPT1 — Connect one or the other — **DVD player** (DIGITAL OUT OPTICAL / DIGITAL OUT COAXIAL)
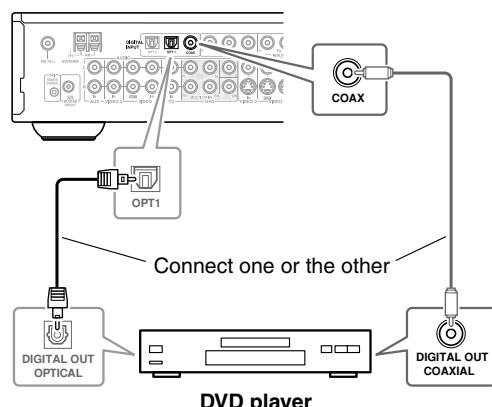
■ Using Analog Connections
Even if your DVD player is connected digitally (coaxial or optical), to use 🔗, or to record from it, you'll need to make analog connections as well.

Use an analog audio cable to connect the TX-LR552's DVD MULTI CH IN FL/FR to the analog audio outputs on your DVD player, as shown.

If your DVD player has a multichannel output, be sure to use the left and right outputs.

FL / FR DVD — **DVD player** (AUDIO OUTPUT R L)

21
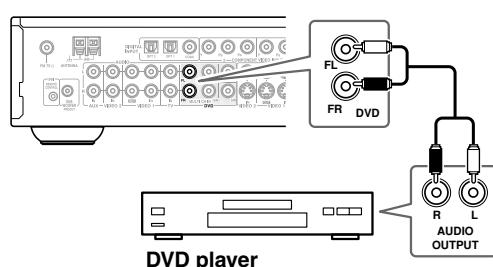
Connecting AV Components—*Continued*

DVD Multichannel Connection

If your DVD player supports multichannel audio formats such as SACD and DVD-Audio, and it has a multichannel analog audio output, you can enjoy those formats.

Use a multichannel analog audio cable to connect the TX-LR552's DVD MULTI CH IN FR, FL, SL, SR, C, and SW sockets to the multichannel analog audio output on your DVD player, as shown. Alternatively, use three standard analog audio cables.
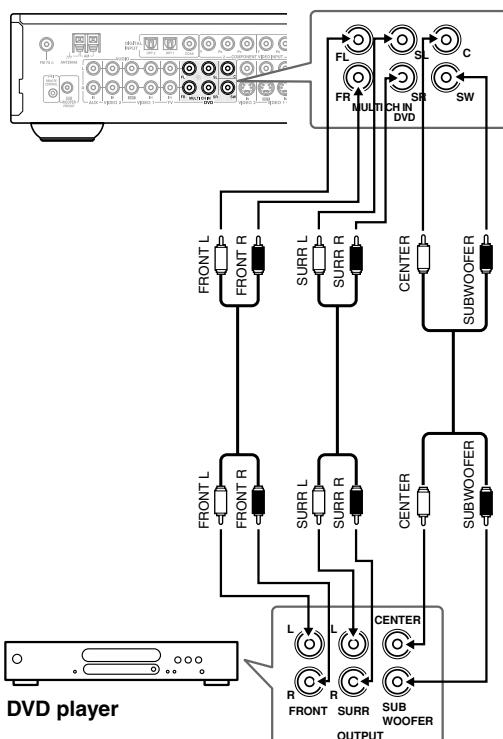
DVD player

Note:
• If your DVD player has 5.1-channel, and 2-channel analog audio output sockets, and you intend to connect it to only the TX-LR552's DVD MULTI CH IN FL/RL sockets, use the DVD player's 2-channel analog audio output sockets.

Connecting a VCR for Playback

You can watch videos by connecting your VCR to the TX-LR552.

By using your VCR's tuner, this hookup example will allow you to enjoy the sound from your favorite TV programs through the TX-LR552. This is useful if your TV has no audio outputs.

Video Connections

• Use an S-Video cable to connect the TX-LR552's S VIDEO 1 IN to the S-Video output on your VCR, as shown.

OR

• Use a composite video cable to connect the TX-LR552's V VIDEO 1 IN to a composite video output on your VCR, as shown.

An S-Video connection provides better picture quality than a composite video connection.

Audio Connections

• Use an analog audio cable to connect the TX-LR552's VIDEO 1 IN L/R inputs to the analog audio outputs on your VCR, as shown.

Connect one or the other

VCR

22
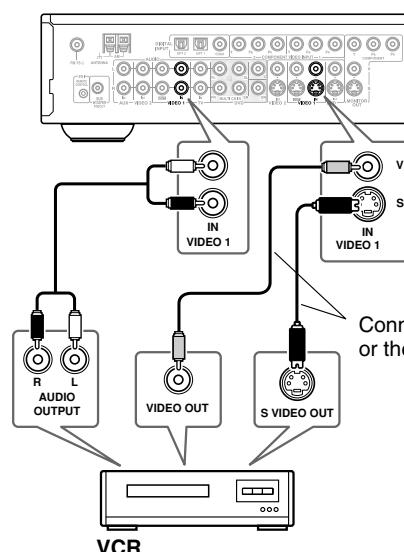
Connecting AV Components—*Continued*

Connecting a D-VHS VCR for Playback

Video Connections

Use a component video cable to connect the TX-LR552's COMPONENT VIDEO 2 IN to the component video output on your D-VHS VCR, as shown.
Your TV must also be connected via component video.
A component video connection provides better picture quality than an S-Video connection.

Audio Connections

• Use an optical digital audio cable to connect the TX-LR552's OPT 2 DIGITAL INPUT to the optical output on your D-VHS VCR, as shown.

OR

• Use a coaxial digital audio cable to connect the TX-LR552's COAX DIGITAL INPUT to the coaxial output on your D-VHS VCR, as shown.

You might need to change the digital input assignments (see page 29).

D-VHS VCR
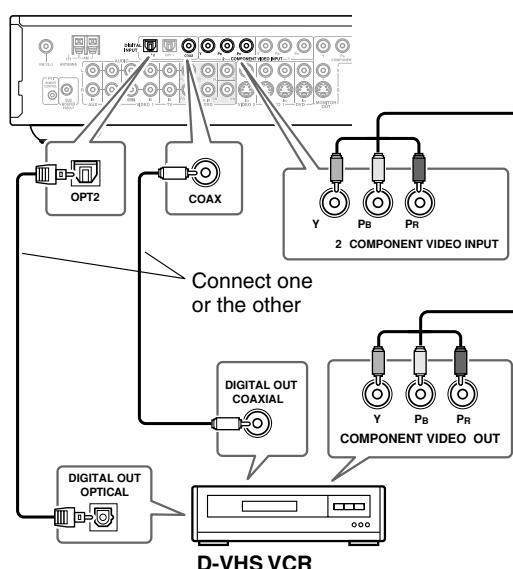
Connecting a VCR for Recording

Video Connections

• Use an S-Video cable to connect the TX-LR552's S VIDEO 1 OUT to an S-Video input on your recording VCR.

OR

• Use a composite video cable to connect the TX-LR552's V VIDEO 1 OUT to a composite video input on your recording VCR.

Audio Connections

• Use an analog audio cable to connect the TX-LR552's AUDIO VIDEO 1 L/R OUTs to the audio inputs on your recording VCR.

This illustration shows how to connect a VCR for recording from a TV or another VCR.

VCR
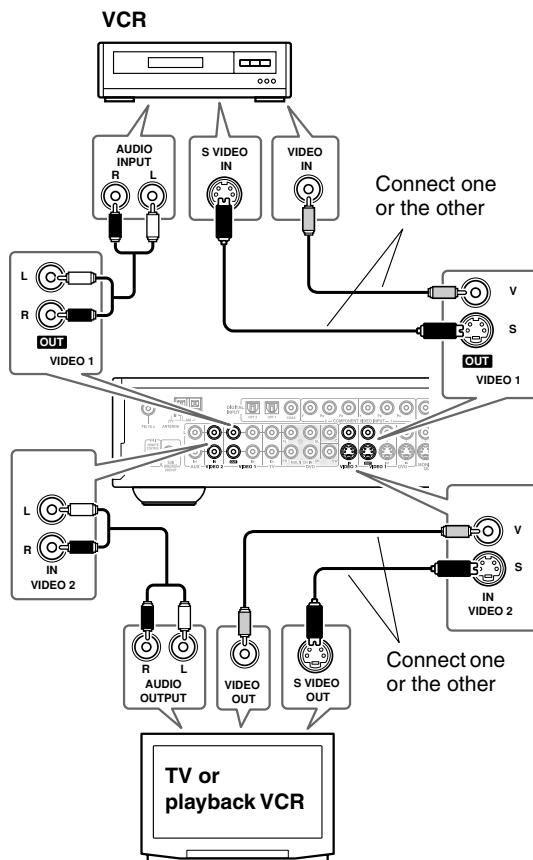
TV or playback VCR

Notes:
• The TX-LR552 must be turned on for recording. Recording is not possible while it's in Standby mode.
• If you want to record directly from your TV or playback VCR without going through the TX-LR552, connect your TV/VCR's audio and video outputs directly to your recording VCR's AV inputs. See the manuals supplied with your TV and VCR for details.
• Video signals connected to composite video inputs can only be recorded via composite video outputs. If your TV and video playback components are connected via composite video, you must connect your recording VCR via composite video as well. Similarly, video signals connected to S-Video inputs can only be recorded via S-Video outputs. If your TV and video playback components are connected via S-Video, you must connect your recording VCR via S-Video as well.

23

Connecting AV Components—*Continued*

■ Using Analog Connections

If your video component doesn't have digital audio outputs, or you want to record from it, you'll need to make the following analog audio connections.

Use an analog audio cable to connect the TX-LR552's AUDIO VIDEO 2 IN L/R inputs to the analog audio outputs on your video component, as shown.
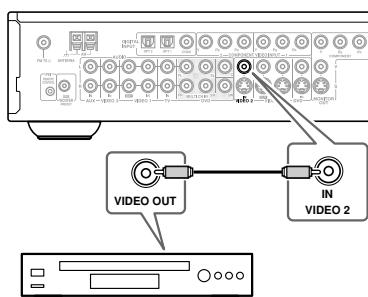
Set-top box (satellite, cable, over-the-air), LD player, etc.

Connecting a CD Player

Music CDs don't support Dolby Digital, so you can connect your CD player to either a digital or analog audio input and enjoy surround sound listening modes such as Dolby Pro Logic IIx.

■ Using a Coaxial or Optical Connection

• Use a coaxial digital audio cable to connect the TX-LR552's COAX DIGITAL INPUT to the coaxial output on your CD player, as shown.

OR

• Use an optical digital audio cable to connect the TX-LR552's OPT 2 DIGITAL INPUT to the optical output on your CD player, as shown.

Notes:

• Initially, the AUX input source is not assigned to any of the digital audio inputs. If you connect your CD player to a digital input, you'll need to change the AUX input source assignment (see page 29).

Connect one or the other

CD player

■ Using Analog Connections

Even if your CD player is connected digitally (coaxial or optical), to use R1, or to record from it, you'll need to make analog audio connections as well.

Use an analog audio cable to connect the TX-LR552's AUDIO AUX IN L/R inputs to the analog audio outputs on your CD player, as shown.

CD player
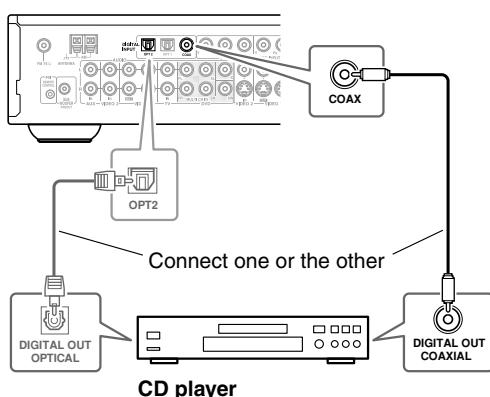
Connecting a CD, MiniDisc, DAT, or Cassette Recorder

You can connect a CD, MiniDisc, DAT, or cassette recorder for audio recording.

Only audio connected via the following analog AUDIO inputs can be recorded: DVD MULTI CH IN FL/FR, TV IN, VIDEO 2 IN, AUX IN.

■ Using Analog Connections

Use an analog audio cable to connect the TX-LR552's AUDIO VIDEO 1 IN L/R inputs to the recorder's outputs, and use another analog audio cable to connect the TX-LR552's AUDIO VIDEO 1 OUT L/R outputs to the recorder's inputs, as shown.

CD, MiniDisc, DAT, or cassette recorder

25
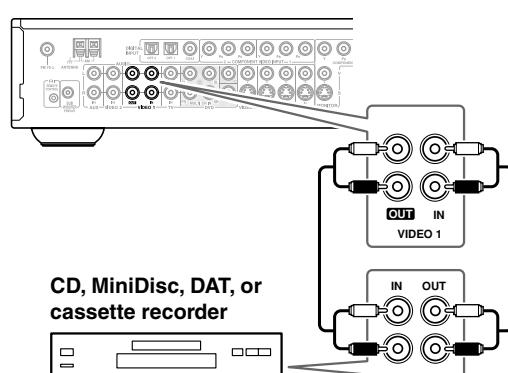
Connecting AV Components—*Continued*

■ Using a Coaxial or Optical Connection for Playback from Your Digital Recorder

• Use an optical digital audio cable to connect the TX-LR552's OPT 2 DIGITAL INPUT to the optical output on your recorder, as shown.

OR

• Use a coaxial digital audio cable to connect the TX-LR552's COAX DIGITAL INPUT to the coaxial output on your recorder, as shown.

Connect one or the other

CD, MiniDisc, or DAT recorder

Connecting a Turntable

■ Turntable with a Built-in Phono Preamp

Use an analog audio cable to connect the TX-LR552's AUDIO AUX IN L/R inputs to the audio outputs on your turntable, as shown.

■ Turntable without a Built-in Phono Preamp

Use an analog audio cable to connect the TX-LR552's AUDIO AUX IN L/R inputs to the audio outputs on your phono preamp, and use another analog audio cable to connect the phono preamp's inputs to your turntable, as shown.
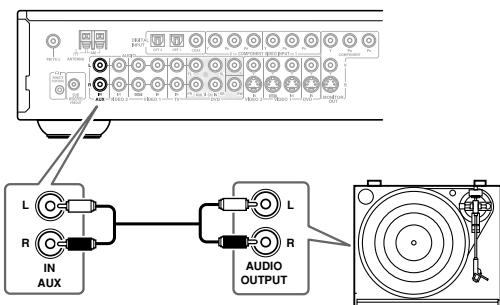
Phono preamp

■ Turntable with an MC (Moving Coil) Cartridge

Use an analog audio cable to connect the TX-LR552's AUDIO AUX IN L/R inputs to the audio outputs on your phono preamp. Use another analog audio cable to connect the phono preamp's inputs to your MC head amp's outputs. And use another analog audio cable to connect the MC head amp's inputs to your turntable, as shown.

Phono preamp

MC head amp

26
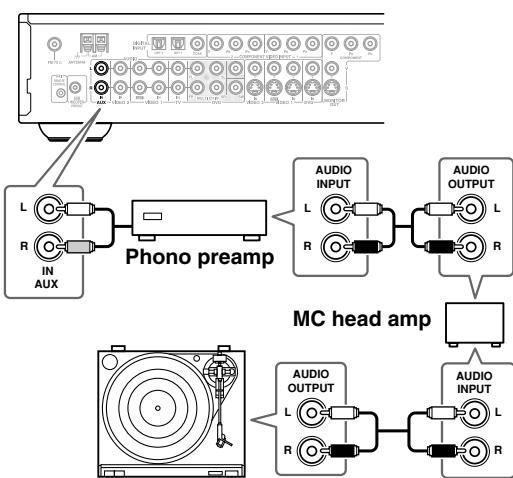
Connecting AV Components—*Continued*

Connecting an Onkyo DVD Player with RI

> **To use RI, you must make an analog audio connection (RCA) between the TX-LR552 and the other component, even if they are connected digitally.**

With RI (Remote Interactive) you can control your RI-compatible Onkyo DVD player with the TX-LR552's remote controller, and use the following special RI functions:

Auto Power On/Standby
When you start playback on the DVD player, if the TX-LR552 is in Standby, it will turn on and select the DVD player as the input source automatically. Similarly, when the TX-LR552 is set to Standby, the DVD player will also enter Standby.

Direct Change
When playback is started on the DVD player, the TX-LR552 will automatically select it as the input source.
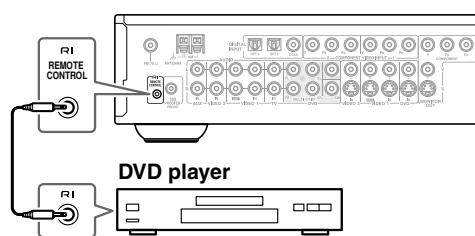
DVD player

Notes:
- Push plugs in all the way to make good connections.
- Use only RI cables for RI connections. An RI cable is supplied with each RI-compatible Onkyo DVD player.
- Some DVD players have two RI sockets, you can connect either one to the TX-LR552. The other is for connecting additional RI-compatible components.
- Connect the TX-LR552's RI socket to only an Onkyo DVD player. Connecting to other manufacturer's components may cause them to malfunction.
- Some DVD players may not support all RI functions. Refer to the manual supplied with your DVD player.

Connecting the Power Cord

Notes:
- **Before connecting the power cord, connect all of your speakers and AV components.**
- Turning on the TX-LR552 may cause a momentary power surge that might interfere with other electrical equipment on the same circuit. If this is a problem, plug the TX-LR552 into a different branch circuit.

Turning On the TX-LR552

STANDBY/ON **ON** **STANDBY** **AMP**

Remote controller **ON** **STANDBY**
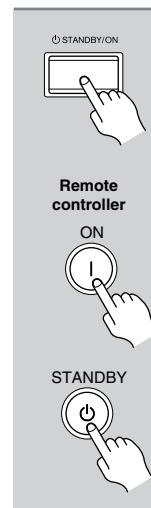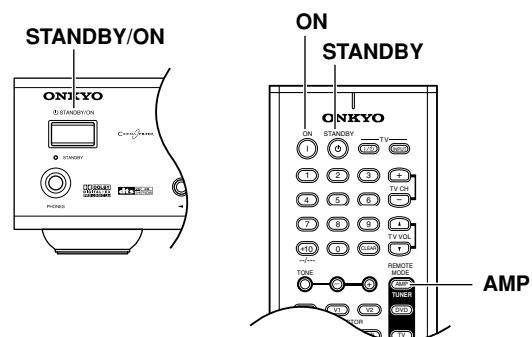
Press the [STANDBY/ON] button. Alternatively, press the remote controller's REMOTE MODE [AMP] button followed by the [ON] button.
The TX-LR552 comes on, the display lights up, and the STANDBY indicator goes off.

To turn on a DVD player that's connected via RI, press the [ON] button again.

To turn off the TX-LR552, press the [STANDBY/ON] button. The TX-LR552 will enter Standby mode. To prevent any loud surprises the next time you turn on your TX-LR552, always turn down the volume before turning it off.

27

Basic Setup

This chapter explains the basic settings you need to make to get the TX-LR552 up and running.

Speaker Setup

Speaker Detection

The TX-LR552 can automatically detect which speakers you've connected to it (front, center, surround, and surround back).
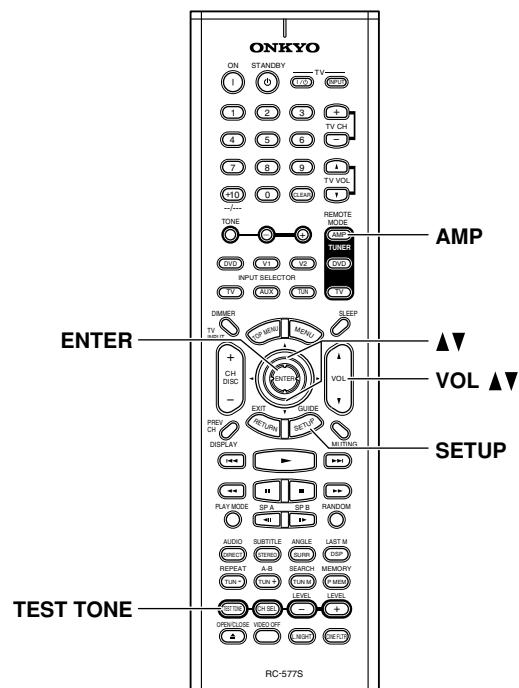
1 Press the REMOTE MODE [AMP] button followed by the [SETUP] button.

2 Use the Up and Down [▲]/[▼] buttons to select "0. SP Detect," and then press [ENTER].
"SP Detect?" appears on the display.

3 Press [ENTER].
The connected speakers are detected automatically, and the results appear on the display, as shown.

    Y: Speaker connected.
    N: No speaker connected.

Surround back speaker
Surround speakers
Center speaker
Subwoofer

Detect:YYYY

Notes:
- Always use two surround speakers (left and right).
- Only connect a surround back speaker if you've already connected two surround speakers. If no surround speakers are connected, the surround back speaker will not work.
- When this SP Detect function is used, the Speaker Configuration settings (pages 46–47) will change.

Speaker Level Calibration (Test Tone)

You can adjust the volume of each speaker so that all speakers can be heard equally at the listening position.
- The individual speaker levels cannot be adjusted while the TX-LR552 is muted, a pair of headphones is connected, or the DVD multichannel input is selected.

1 Press the REMOTE MODE [AMP] button followed by the [TEST TONE] button.
The test tone is output by the front left speaker.
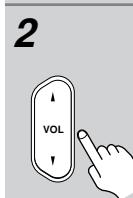
2 Turn up the volume so that you can hear the test tone sufficiently.
While each speaker outputs the test tone, its name appears on the display, as shown.

Left : 0dB

28

Basic Setup—*Continued*
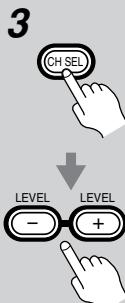
3

Use the [CH SEL] button to select the speakers, and use the [LEVEL+] and [LEVEL–] buttons to adjust the volume.

The level can be adjusted from –12 to +12 dB in 1 dB steps.

If you don't press anything for two seconds, the next speaker will be selected automatically.
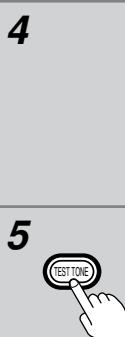
4

Repeat step 3 until the volume of the test tone coming from each speaker is the same.

Speakers that you set to No or Non in the Speaker Configuration (page 46) do not output the test tone.

5

Press the [TEST TONE] button.

The setup menu closes.

Don't forget to turn down the volume if you turned it up while setting the levels.

Notes:

• This procedure can also be performed by using the [SETUP] button. Press the REMOTE MODE [AMP] button followed by the [SETUP] button. Use the Up and Down [▲]/[▼] buttons to select "Level Cal," and then press [ENTER]. Use the Left and Right [◄]/[►] buttons to adjust the speaker volume, and use the Down [▼] button to select the next speaker. Unlike the above procedure, the next speaker will not be selected automatically after two seconds.

Assigning Inputs to Input Sources

Digital Audio Input Setup

To enjoy Dolby Digital and DTS, you must connect your DVD player to the TX-LR552 by using a digital audio connection (coaxial or optical).

This section explains how to change the digital audio input socket to input source assignments. You only need to change them if your connections don't match the defaults listed in the following table.

Input source	Default digital input assignment
DVD	COAX
TV	OPT1
VIDEO1	OPT2
VIDEO2	- - - - (Analog)
AUX	- - - - (Analog)

For example, if you connect your DVD player to the OPT 1 DIGITAL INPUT, you'll need to change the DVD input source from COAX to OPT 1.

If you want to use the TV input source with only the analog TV IN, change the TV input source assignment from OPT1 to "----" (Analog).

You can change the assignments as follows.
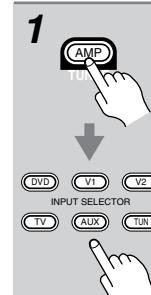
1

Press the REMOTE MODE [AMP] button followed by the [INPUT SELECTOR] button for the input source whose assignment you want to change.

There is no assignment for the TUNER input source.
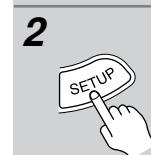
2

Press the [SETUP] button.
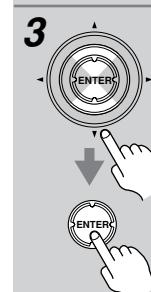
3

Use the Up and Down [▲]/[▼] buttons to select "4. Input Set," and then press [ENTER].

4
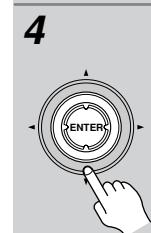
Use the Up and Down [▲]/[▼] buttons to select "Dig In," and then use the Left and Right [◄]/[►] buttons to select:

COAX: Select if the component is connected to the COAX DIGITAL INPUT.

OPT1: Select if the component is connected to the OPT1 DIGITAL INPUT.

OPT2: Select if the component is connected to the OPT2 DIGITAL INPUT.

5

Press the [SETUP] button.

The setup menu closes.

Basic Setup—*Continued*

Component Video Input Setup

This section explains how to change the component video input socket to input source assignments. You only need to change them if you connect a video component to a component video input other than the default assignment listed in the following table. There are no other reasons to change these assignments.

Input source	Default component video input assignment
DVD	INPUT1
VIDEO 1	INPUT2
VIDEO 2	INPUT2
TV	Last
AUX	Last
FM	Last
AM	Last
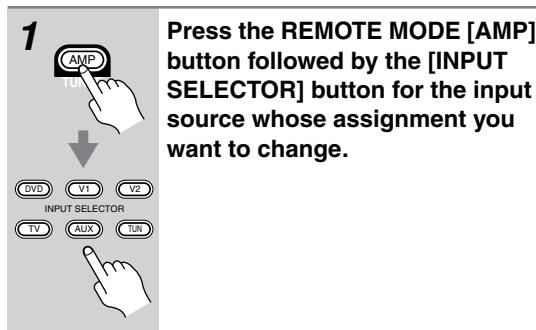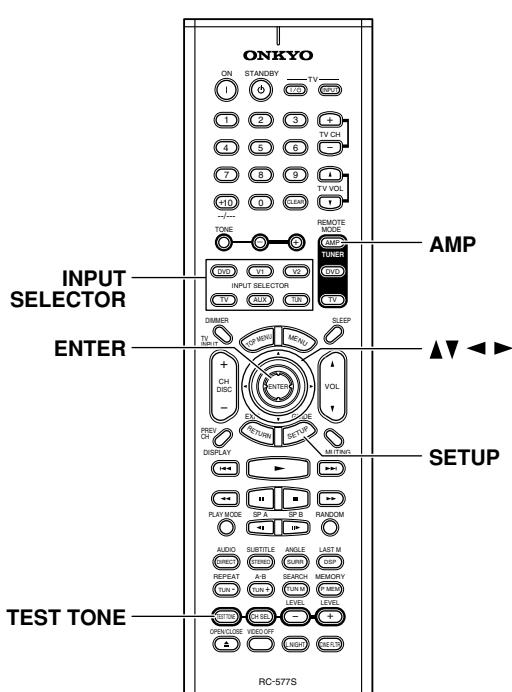
AMP

INPUT SELECTOR

ENTER

▲▼ ◄ ►

SETUP

TEST TONE

1 | **Press the REMOTE MODE [AMP] button followed by the [INPUT SELECTOR] button for the input source whose assignment you want to change.**

2 | **Press the [SETUP] button.**
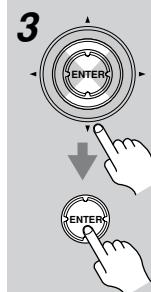
3 | **Use the Up and Down [▲]/[▼] buttons to select "4. Input Setup," and then press [ENTER].**
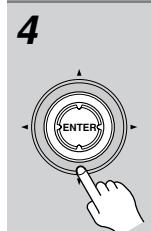
4 | **Use the Up and Down [▲]/[▼] buttons to select "Comp Video," and then use the Left and Right [◄]/[►] buttons to select:**

Input1: Select if the video component is connected to COMPONENT VIDEO INPUT 1.

Input2: Select if the video component is connected to COMPONENT VIDEO INPUT 2.

Video: Select this to output composite video and S-Video sources from the COMPONENT VIDEO OUT.

Last: Select if you want to watch video from the previously selected component.

Note that if the previously selected input source is assigned to Video, and you select an input source that's assigned to Last, composite video or S-Video from the current input source (not the last) will be output by the COMPONENT VIDEO OUT.

5 | **Press the [SETUP] button.**
The setup menu closes.

Notes:
When an input source that's set to Last is selected, the video source remains the same. For example, if you set the VIDEO 1 input source to Last, then select the DVD input source, then select the VIDEO 1 input source, you can watch a DVD while listening to audio from the component connected to the VIDEO 1 audio inputs.

Basic Operation

Selecting the Input Source

This section explains how to select the input source (i.e., AV component) that you want to listen to or watch.

MASTER VOLUME

INPUT SELECTOR

AMP

VOL ▲▼

Input Selector

SP A
SP B

1
Remote controller

TX-LR552

DVD TV VIDEO 1 VIDEO 2

FM AM AUX

or

AMP

TUN

DVD V1 V2

TV AUX TUN

INPUT SELECTOR

Use the TX-LR552's Input Selector buttons to select the input source.

To select the input source with the remote controller, press the REMOTE MODE [AMP] button, and then use the INPUT SELECTOR buttons.

A & B speakers indicators

DVD   48

Selected input source   Volume

2
SP A   SP B

Use the [SP A] and [SP B] buttons to select the speaker set that you want to use.
The A and B speaker indicators show whether each speaker set is on or off.
Note:
When you turn on speaker set B, the listening mode for speaker set A is set to Stereo automatically.

3
Start playback on the source component.
When you select DVD or another video component, on your TV you'll need to select the video input to which the TX-LR552 is connected.
On some DVD players, you may need to turn the digital audio output on.

4
TX-LR552   **Remote controller**

MASTER VOLUME   **or**   VOL

To adjust the volume, use the MASTER VOLUME control, or the remote controller's [VOL] button.
The volume can be set to MIN, 1 through 79, or MAX.
The TX-LR552 is designed for home theater enjoyment. It has a wide volume range, allowing precise adjustment.

5
Enjoy listening modes.
See page 37.

Basic Operation—*Continued*

This chapter explains functions that can be used with any input source.

DIMMER

AMP

SLEEP

MUTING

RC-577S
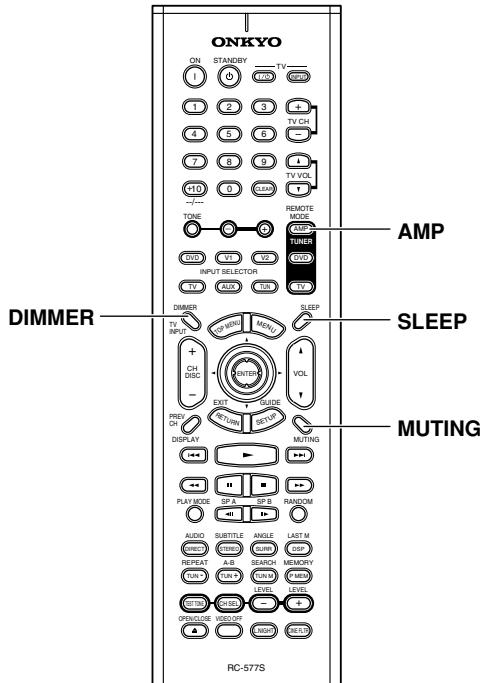
Muting the TX-LR552

You can temporarily mute the output of the TX-LR552.

Press the REMOTE MODE [AMP] button, and then press the [MUTING] button.

The output is muted and the MUTING indicator flashes on the display, as shown.

To unmute the TX-LR552, press the [MUTING] button again, or adjust the volume.

The Mute function is cancelled when the TX-LR552 is set to Standby.

Notes:
• The [MUTING] button can also be used to mute the TX-LR552 while the remote controller is in DVD mode (see page 12).

Setting the Display Brightness

You can adjust the brightness of the display.
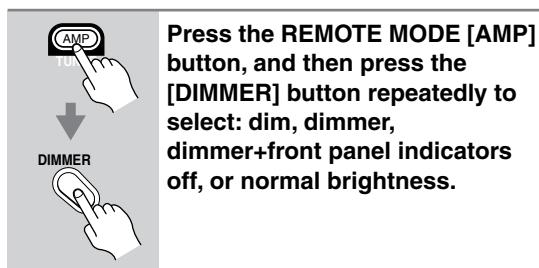
Press the REMOTE MODE [AMP] button, and then press the [DIMMER] button repeatedly to select: dim, dimmer, dimmer+front panel indicators off, or normal brightness.

32

Basic Operation—*Continued*

Using the Sleep Timer

With the sleep timer you can set the TX-LR552 to auto-
matically turn off after a specified period.

Press the REMOTE MODE [AMP] button, and then press the [SLEEP] button repeatedly to select the required sleep time.
You can set the sleep time from 90 to 10 minutes in 10 minute steps.

The SLEEP indicator appears on the display when the sleep timer has been set, as shown. The specified sleep time appears on the display for about five seconds, then the previous display reappears.

SLEEP indicator

If you need to cancel the sleep timer, press the [SLEEP] button repeatedly until the SLEEP indicator disappears.

To check the time remaining until the TX-LR552 sleeps, press the [SLEEP] button. Note that if you press the [SLEEP] button while the sleep time is being displayed, you'll shorten the sleep time by 10 minutes.

Using Headphones

You can connect a pair of stereo headphones (1/4-inch phone plug) to the TX-LR552's PHONES jack for pri-
vate listening, as shown.
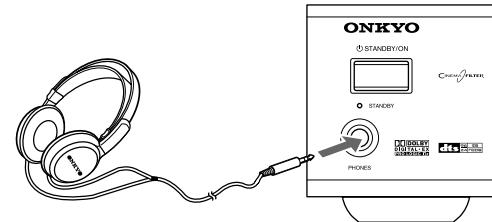
Notes:
- Always turn down the volume before connecting your headphones.
- Speaker sets A and B are turned off while the head-
phones plug is inserted in the PHONES jack.
- When you connect a pair of headphones, the listening mode is set to Stereo, unless it's already set to Stereo, Mono or Direct. When you disconnect the head-
phones, the previous listening mode is resumed.
- When the DVD multichannel input is selected, only the front left and front right audio can be heard in the headphones.

33

Basic Operation—*Continued*

Listening to the Radio

With the built-in tuner you can enjoy AM and FM radio stations, and store your favorite stations as presets for quick selection.

◄ **TUNING** ►

FM, AM

AMP

TUN

CH DISC + –

P MEM

TUN – + **TUN M**

RC-577S
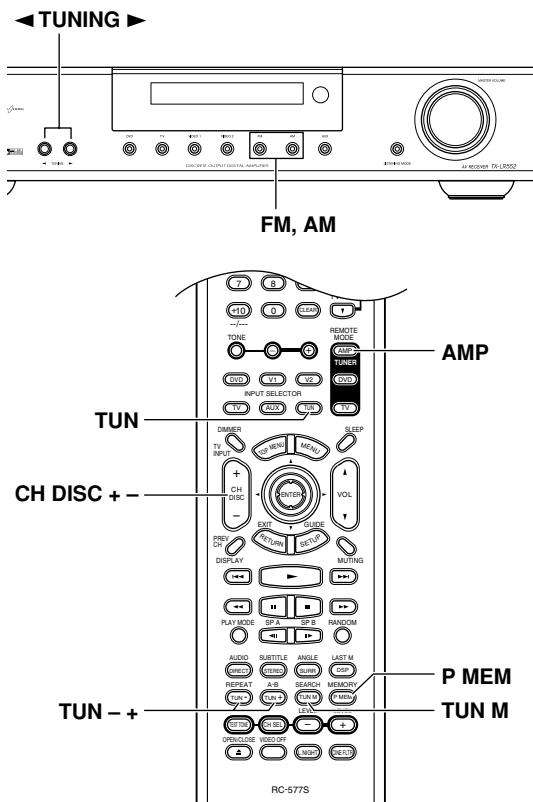
Tuning on the TX-LR552

1	**Use the TX-LR552's [AM]/[FM] input selector buttons to select either AM or FM.** In this example, FM has been selected.

FM   87.50 MHz
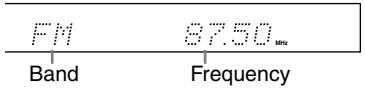
Band   Frequency

2	**Use the TUNING [◄]/[►] buttons to tune into a radio station.** If the AUTO indicator is shown on the display, the TX-LR552 will automatically find a radio station. If the AUTO indicator is not shown, the frequency will change in steps. Use the remote controller's [TUN M] button to turn AUTO on or off.

Tuning with the Remote Controller

In Auto Tuning mode, the TX-LR552 finds available radio stations automatically. In Manual Tuning mode, you can tune into radio stations by frequency.

■ **Auto Tuning Mode**

1	**Press the REMOTE MODE [AMP] button, then press the [TUN] INPUT SELECTOR button repeatedly to select either AM or FM.**

2	**Press the [TUN M] button repeatedly until the AUTO indicator appears on the display.** Auto Tuning mode is now selected.

3	**Press the [TUN–] or [TUN+] button.** The TX-LR552 searches for a radio station, and stops when it finds one. Press the [TUN–] or [TUN+] button again to search for the next available radio station.
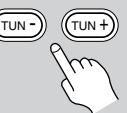
When tuned into a station, the ►●◄ indicator appears on the display. When tuned into a stereo FM station (Auto Tuning mode only), the FM STEREO indicator appears as well.

FM STEREO   AUTO

FM STEREO AUTO ►●◄

FM   87.50 MHz

TUNED

34
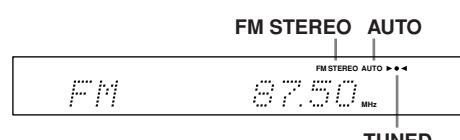
Basic Operation—*Continued*

■ Manual Tuning Mode

1	**Press the REMOTE MODE [AMP] button, then press the [TUN] INPUT SELECTOR button repeatedly to select either AM or FM.**
2	**Press the [TUN M] button repeatedly until the AUTO indicator disappears from the display.** Manual Tuning mode is now selected.
3	**Use the [TUN–] and [TUN+] buttons to tune into a radio station by frequency.** Press and hold these buttons to change the frequency continually. Press once to change the frequency one step at a time. Check your local radio guide for the frequencies of the stations available in your area.

Notes:
- The American model changes FM frequency in 0.2 MHz steps, 10 kHz steps for AM.
- In Manual Tuning mode, FM stations will be in mono. Switch back to Auto Tuning mode for stereo.

Tuning into weak FM stations
If the signal from a stereo FM station is weak, it may be impossible to get good reception. In this case, switch to Manual Tuning mode and listen to the station in mono.

Presetting Radio Stations

You can store up to 30 radio stations as presets.

1	**Tune into the station that you want to store as a preset.**
2	**Press the [P MEM] button.** The MEMORY indicator appears and the preset number flashes. `MEMORY FM  1  8810`
3	**While the MEMORY indicator is displayed, use the CH [+/–] button to select a preset from 1 through 30.** In this example, preset #3 is selected. `FM  3  8810`
4	**Press the [P MEM] button again to store the station.** The station is stored and the preset number stops flashing. Repeat this procedure for all of your favorite radio stations.

Selecting Preset Stations

|	
1	**Press the REMOTE MODE [AMP] button, then press the [TUN] INPUT SELECTOR button repeatedly to select either AM or FM.**
2	**Use the CH [+/–] button to select the presets.**

Basic Operation—*Continued*

AMP

DISPLAY

P MEM

RC-577S
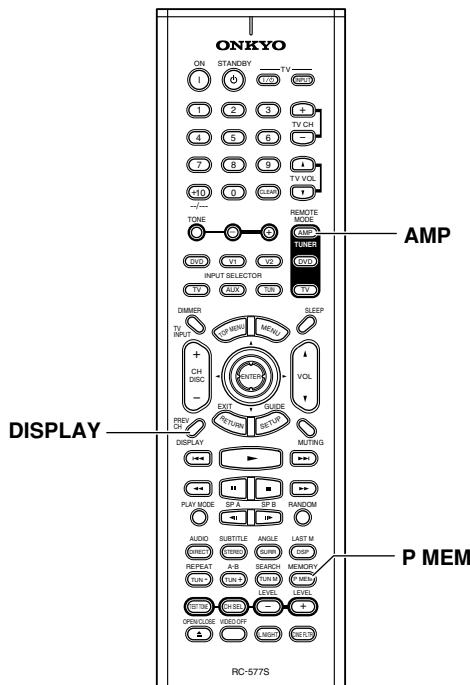
Displaying Radio Information

1 **Press the REMOTE MODE [AMP] button, then press the [DISPLAY] button on the remote controller repeatedly to cycle through the available information.**

When the input source is AM or FM:

Band, preset # & frequency

$$FM \quad 1 \quad 8810_{MHz}$$

listening mode

STEREO

$$Stereo$$
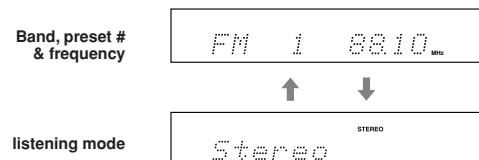
Deleting Presets

1 **Select the preset that you want to delete (see the previous section).**

2 **Press the [P MEM] button.**
"Erase" flashes on the display.

$$FM \quad 2\,Erase$$

3 **While it's flashing, press the [P MEM] button again.**
The selected preset is deleted and its number disappears from the display.

Using the Listening Modes

With its comprehensive collection of surround and DSP listening modes, the TX-LR552 can transform your home listening room in to a movie theater or concert hall.

To get the most from surround sound, it's important that you install and configure your speakers correctly. See "Connecting Speakers" on page 15 and "Speaker Configuration" on page 46.

Selecting Listening Modes

- **The Dolby Digital and DTS listening modes can be selected only if your DVD player is connected to the TX-LR552 with a digital audio connection (coaxial or optical).**
- **The listening modes available depends on the format of the input signal.**
- **While speaker set B is on or a pair of headphones are connected, you can only select the Direct, Mono or Stereo listening mode.**
- **While the DVD multichannel input is selected, only the Direct listening mode can be selected. However, the [SURR] button can be used to turn the tone on or off.**

Selecting on the TX-LR552

Input Selector **LISTENING MODE**
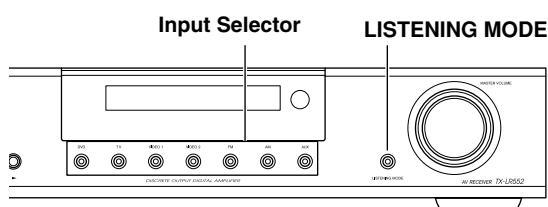
1	**Use the Input Selector buttons to select the input source.**

2	**Start playback on the selected AV component.**

3	**Press the [LISTENING MODE] button repeatedly to select the listening modes.** The listening modes available depends on the format of the input signal. The Dolby Digital/DTS setting (page 41) also affect which surround modes can be selected.

Selecting with the Remote Controller

AMP

DIRECT
STEREO
SURR
DSP
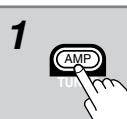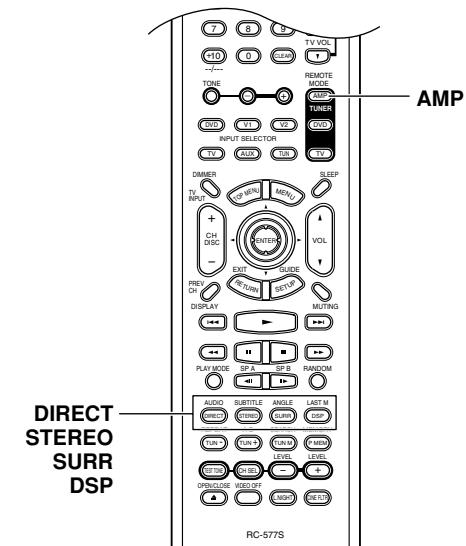
1	**Press the REMOTE MODE [AMP] button, and then use the INPUT SELECTOR buttons to select an input source.**
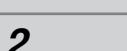
2	**Start playback on the selected AV component.**
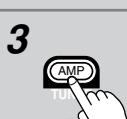
3	**Press the REMOTE MODE [AMP] button, and then use the [DIRECT], [STEREO], [SURR], and [DSP] buttons to select the listening modes.**

■ **[DIRECT] button**
This button selects the Direct listening mode.

■ **[STEREO] button**
This button selects the Stereo listening mode.

■ **[SURR] button**
This button selects the surround modes such as the Dolby Digital and DTS listening modes, and so on. The modes available depends on the Dolby Digital/DTS setting (see page 41).
When the DVD multichannel input is selected, this button is used when adjusting the bass and treble (see page 50).

■ **[DSP] button**
This button selects the Onkyo original DSP modes and the Mono mode.

37

Using the Listening Modes—*Continued*

About the Listening Modes

The TX-LR552's surround indicators show which speakers are active in each listening mode.

Front left   Center   Front right   ☐ Subwoofer

Surround   Surround   Surround
left   back   right
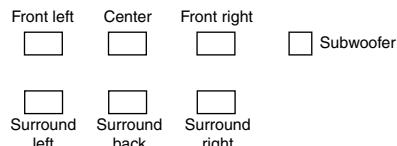
Basic Modes

Mono
Use this mode when watching an old movie with a mono soundtrack, or to select the multilingual soundtracks recorded in the left and right channels of some movies. It can also be used when playing a DVD or other source with multiplexed audio, such as a karaoke DVD.

Direct
The selected input source is output by the front left and right speakers only, with minimal processing for a pure sound.

Stereo
The selected input source is processed as a stereo signal and output by the front left and right speakers and the subwoofer.

Surround Modes

Dolby Pro Logic II
Dolby Pro Logic II creates 5.1-channel surround from two-channel material.

• **Dolby Pro Logic II Movie**
Use this mode with DVDs and ⫿⫿ **DOLBY SURROUND** videos that bear the Dolby Surround logo or TV programs that feature Dolby Surround. You can also use this mode with stereo movies or TV programs.

• **Dolby Pro Logic II Music**
Use this mode with the stereo sources such as music CDs and DVDs.

• **Dolby Pro Logic II Game**
Use this mode with video games that feature stereo sound.

Dolby Pro Logic IIx
Dolby Pro Logic IIx can create 6.1-channel surround from two-channel material (except 96 kHz PCM). The Dolby Pro Logic IIx Music mode can create 6.1-channel surround from 5.1-channel audio material.

• **Dolby Pro Logic IIx Movie**
Use this mode with DVDs and videos that bear the Dolby Surround logo ⫿⫿ **DOLBY SURROUND** or TV programs that feature Dolby Surround. You can also use

this mode with stereo movies, TV programs, or other 2-channel sources.

• **Dolby Pro Logic IIx Music**
Use this mode with CDs and DVDs that bear the Dolby Surround ⫿⫿ **DOLBY SURROUND** or Dolby Digital ⫿⫿ **DOLBY DIGITAL** logo. It can also be used with other 5.1-channel sources to create 6.1-channel surround.

• **Dolby Pro Logic IIx Game**
Use this mode with video games that feature stereo sound.

Neo:6
This mode creates 6.1-channel surround from 2-channel analog sources. It offers six full-bandwidth channels with excellent separation. There are two modes of operation: *Cinema mode,* which is suited to movies, and *Music mode,* which is for listening to music.

• Cinema mode simulates the realistic sense of movement that you get with 6.1-channel surround sound sources. Use this mode with videos, DVDs, and TV programs that feature stereo sound.

• Music mode uses the surround channels to simulate a natural sound field that cannot be produced with conventional stereo. Use this mode with stereo source material such as music CDs.

Dolby Digital
With this format you can experience the same superb sound that you get at a movie theater or concert hall. Use this mode with DVDs that bear the Dolby Digital logo.

⫿⫿ **DOLBY DIGITAL**

Dolby Digital EX
With an added surround-back channel, this 6.1 channel format offers a heightened sense of space, for added realism with moving sounds, such as those that rotate 360 degrees or pass overhead. Dolby Digital EX material can also be played on conventional 5.1 channel systems, in which case the surround-back channel audio is divided between the surround left and right channels. Use this mode with DVDs that have a 6.1-channel soundtrack and bear the Dolby Digital logo.

⫿⫿ **DOLBY DIGITAL**

DTS
This digital surround format offers a surround sound experience with exceptional fidelity. It uses compressed digital audio data, with six discrete channels (5.1), and has the ability to handle large amounts of audio data while remaining faithful to the original. DTS provides very high-quality sound. You'll need a DTS compatible DVD player in order to enjoy DTS material. Use this mode with DVDs, LDs, or CDs that bear the DTS logo.

DIGITAL **dts** **SURROUND**

DTS 96/24
This mode provides better audio quality. Use it with CDs, DVDs, and LDs that bear the DTS 96/24 **dts 96/24** logo.

Using the Listening Modes—*Continued*

DTS-ES ▪▪▪▪▪

DTS-ES supports up to 6.1 channels. The TX-LR552 supports both *DTS-ES Discrete* and *DTS-ES Matrix*.

Discrete mode is for use with DTS 6.1 material. With an additional surround-back channel, each 6.1 channel is digitally recorded for a realistic sense of movement and space. Use it with CDs, DVDs, and LDs that bear the DTS-ES logo.

Matrix mode creates 6.1-channel surround from DTS 5.1 material. Since DTS 5.1 includes surround-back channel information, the channel can be reconstructed for playback on 6.1-channel systems. Use this mode with CDs, DVDs, and LDs that bear the DTS-ES or DTS logo.

DTS+Neo:6 ▪▪▪▪▪

This mode uses the Neo:6 decoder to create 6.1-channel surround from DTS 5.1-channel material. Use it with CDs, DVDs, and LDs that bear the DTS or DTS 96/24 logo.

DTS+Dolby EX ▪▪▪▪▪

This mode uses the Dolby EX decoder to create 6.1-channel surround from DTS 5.1-channel material. Use it with CDs, DVDs, and LDs that bear the DTS or DTS 96/24 logo.

Onkyo Original DSP Modes

Orchestra ▪□▪▪▪

Suitable for classical or operatic music. The center speaker is turned off and the surround channels are emphasized in order to widen the stereo image. In addition, it simulates the natural reverberation of a large hall.

Unplugged ▪▪▪▪▪

Suitable for acoustic instrument sounds, vocals, and jazz music. By emphasizing the front stereo image, it simulates the stage-front experience.

Studio-Mix ▪▪▪▪▪

Suitable for rock and pop music. Listening to music in this mode creates a lively sound field with a powerful acoustic image, like being at a club or rock concert.

TV Logic ▪▪▪▪▪

Adds realistic acoustics to TV programs produced in a TV studio. In addition, it adds surround effects to the entire sound and clarity to voices.

All Ch Stereo ▪▪▪▪▪

Ideal for background music, stereo audio is output by the front, surround, and surround back channels, filling the entire listening area.

Listening Mode Indicators

The following table shows the display indication for each listening mode.

Listening mode	Display
Direct	DIRECT
Stereo	STEREO
PL II Movie/Music/Game	▢▢ PRO LOGIC Ⅱ
PL IIx Movie/Music/Game	▢▢ PRO LOGIC Ⅱ
Neo:6 Cinema/Music	dts Neo:6
Dolby Digital	▢▢ DIGITAL
Dolby Digital EX	▢▢ DIGITAL ▢▢ EX
DTS, DTS 96/24	dts
DTS-ES	dts ES
DTS+Neo:6	dts dts Neo:6
DTS+Dolby EX	dts ▢▢ EX
Onkyo original DSP	DSP

39

Using the Listening Modes—*Continued*

Input Signal Formats & Listening Modes

The following table lists all of the listening modes and indicates which ones can be used with each signal format.

About the "Speakers necessary" Column

● 2 or more: can be selected with any speaker setup.

● 3 or more: can be selected only if you're using a center speaker or surround speaker.

● 4 or more: can be selected only if you're using surround speakers.

● With surr bk: can be selected only if you're using a surround back speaker.

○○: can be selected if the Dolby Digital/DTS setting is set to "On" (see page 41).

○: can be selected if the Dolby Digital/DTS setting is set to either "On" or "Auto" (see page 41).

Mode button	Input signal format		Speakers necessary	PCM/analog	PCM 96 kHz	Dolby Digital			DTS			
						3/2.1, etc	2/0 (stereo)	1/0 (mono)	3/2.1, etc	2/0 (stereo)	96/24[1]	DTS-ES
	Listening mode	Input source / Speakers necessary		Cassette, CD, video, radio, TV, LD, etc	DVD 96k/24bit, etc	DVD-Video, etc			DVD-Video, LD, CD, etc			
[DIRECT]	Direct			●	●							
[STEREO]	Stereo		2 or more	●	●	●	●	●	●	●	●[2]	●
	Main+Sub											
	Main											
	Sub											
[SURROUND]	Dolby Pro Logic II	PLII movie[3]	3 or more	●			●			●		
		PLII music[3]	3 or more	●			●			●		
		PLII game[3]		●			●			●		
	Dolby Pro Logic IIx	PLIIx movie		●			●			●		
		PLIIx music	With surr bk	●		○○	●		○○	●	○○	
		PLIIx game		●			●			●		
	Neo:6 Cinema		3 or more	●								
	Neo:6 Music		4 or more	●								
	Dolby Digital		3 or more			●		●				
	Dolby Digital EX		With surr bk			○						
	DTS		3 or more						●			●
	DTS 96/24		3 or more								●	
	DTS-ES Discrete		With surr bk									○ (Discrete)
	DTS-ES Matrix											○ (Matrix)
	DTS+Neo:6								○○		○○	
	DTS+Dolby EX								○○		○○	
[DSP]	Mono		2 or more	●								
	Onkyo original DSP modes	Orchestra	4 or more	●								
		Unplugged	4 or more	●								
		Studio-Mix	4 or more	●								
		TV Logic	4 or more	●								
		All Ch St	4 or more	●								

1. For DTS 96 kHz/24-bit material, if the listening mode is Stereo or DTS 96/24, audio is processed at 96 kHz. For all other listening modes, it's processed at 48 kHz.

2. "DTS96Stereo" will appear on the display.

3. If you're using surround back speakers, the Dolby Pro Logic IIx modes will be used instead.

Tip: To check the format of the input signal, see "Displaying Source Information" on page 44.

What to Do If You Can't Select a Listening Mode

• Is the source component connected digitally? The Dolby Digital and DTS listening modes can be selected only if your DVD player is connected to the TX-LR552 with a digital audio (coaxial or optical) connection (see page 21).

• The Dolby Digital or DTS listening modes can be selected only when the input signal is Dolby Digital or DTS, respectively.

• Check the digital output settings on the source component. If the digital output is set to PCM, change it so that other signal formats can be output as well.

Using the Listening Modes—*Continued*

Dolby Digital/DTS Setting (5.1- or 6.1-channel Playback)

This setting determines if Dolby Digital and DTS material is played using 6.1-channels or 5.1-channels. This setting only applies when you're using a surround back speaker, the Speaker Configuration Surr Back setting is set to something other than Non (page 46), and the surround information in the current digital input signal is 3/2.1 or 3/3.1. To check the format of a digital input signal, see "Displaying Source Information" on page 44.
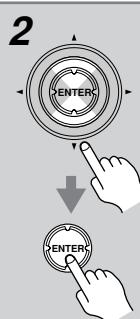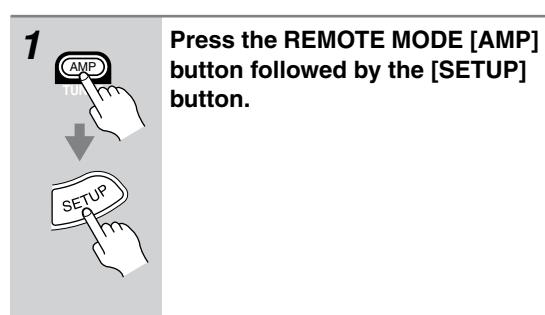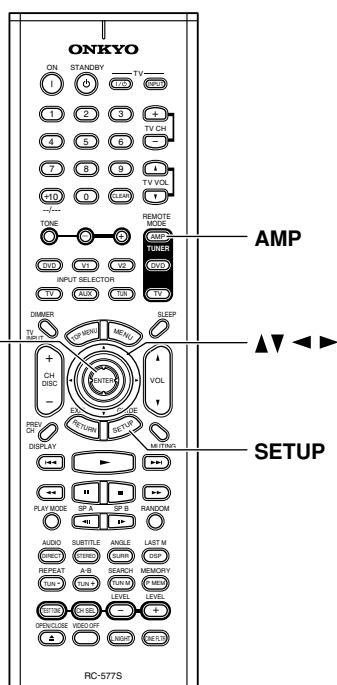
1 Press the REMOTE MODE [AMP] button followed by the [SETUP] button.

2 Use the Up and Down [▲]/[▼] buttons to select "5. Audio Adj," and then press [ENTER].

    5.Audio Adj

3 Use the Up and Down [▲]/[▼] buttons to select "Surr Bk," and then use the Left and Right [◄]/[►] buttons to select Auto, On, or Off.

4 Press the [SETUP] button.
The setup menu closes.

This setting affects Dolby Digital and DTS sources as follows:

Dolby Digital

Auto: If the source signal contains a Dolby Digital EX flag, Dolby Digital EX 6.1 is used. If not, Dolby Digital 5.1 is used.

On: Dolby Digital EX 6.1 is used regardless of whether the source signal contains a Dolby Digital EX flag. You can choose Dolby Digital EX or PL IIx Music mode with the [SURR] button.

Off: Dolby Digital 5.1 is used even if a Dolby Digital EX flag is present.

DTS

Auto: If the source signal contains a DTS-ES flag, DTS-ES Discrete (6.1) or DTS-ES Matrix (6.1) is selected automatically. If not, DTS 5.1 is used.

On: DTS-ES 6.1 is used regardless of whether the source signal contains a DTS-ES flag. If the source signal contains a DTS-ES flag, DTS-ES Discrete (6.1) or DTS-ES Matrix (6.1) is selected automatically. If the source signal does not contain a DTS-ES flag, you can choose DTS+Dolby EX, PL IIx Music, or DTS+Neo:6 with the [SURR] button.

Off: DTS 5.1 is used for all DTS sources, even if a DTS-ES flag is present.

41

Advanced Operation

AMP

ENTER — ▲▼ ◄ ►

SETUP

CH SEL

LEVEL – +
CINE FLTR
L NIGHT

RC-577S
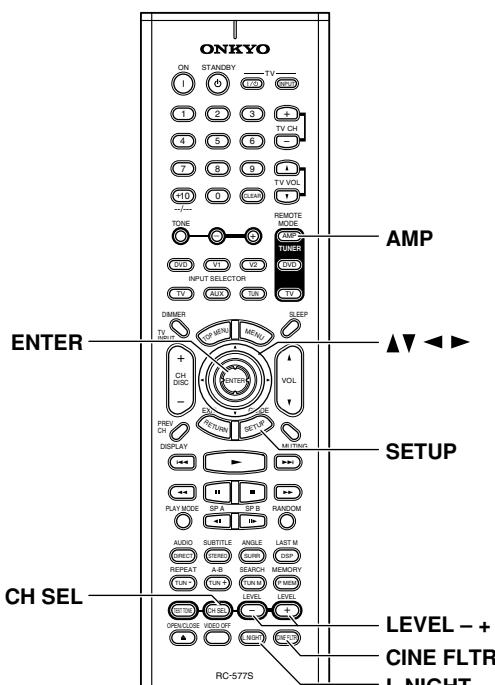
Adjusting Speaker Levels

You can adjust the level of individual speakers. The adjustments are temporary and will be cancelled when the TX-LR552 is set to Standby.
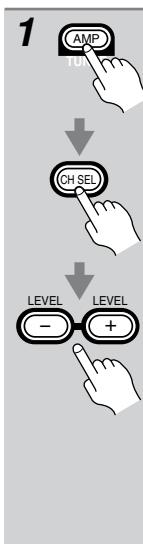
1 **Press the REMOTE MODE [AMP] button, use the [CH SEL] button to select each speaker, and use the [LEVEL–] and [LEVEL+] buttons to adjust the volume.**

Speakers are selected in the following order: Left → Center → Right → Surr Right → Surr Back → Surr Left → Subwoofer.

You can adjust the volume of each speaker from –12 to +12.

The name of the currently selected speaker and its volume appear on the display, as shown.

Left # 0 dB

Notes:
- You cannot use this function while the TX-LR552 is muted.
- Speakers that are set to No or Non in the Speaker Configuration cannot be adjusted.

Using the Late Night Function (Dolby Digital only)

With the Late Night function you can reduce the dynamic range of Dolby Digital material so that you can still hear quiet parts even when listening at low volume levels—ideal for watching movies late at night when you don't want to disturb anyone.
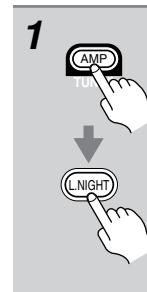
1 **Press the REMOTE MODE [AMP] button, and then press the [L NIGHT] button repeatedly to select:**

Off: Late Night function off.
Low: Small reduction in dynamic range.
High: Big reduction in dynamic range.

Notes:
- This function also appears in the audio adjust functions (see page 50).
- The effect of the Late Night function depends on the Dolby Digital material that you are playing, and with some material there will be little or no effect.
- The Late Night function is turned off when the TX-LR552 is set to Standby.

Using the CinemaFILTER

With the CinemaFILTER you can soften overly bright movie soundtracks, which are typically mixed for reproduction in a movie theater.

CinemaFILTER can be used with the following listening modes: Dolby Digital, Dolby Digital EX, Dolby Pro Logic IIx Movie, DTS, DTS-ES, DTS Neo:6 Cinema, DTS 96/24, DTS+Neo:6, and DTS+Dolby EX.
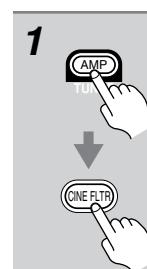
1 **Press the REMOTE MODE [AMP] button, and then press the [CINE FLTR] button repeatedly to select:**

On: CinemaFILTER on.
Off: CinemaFILTER off.

Notes:
- This function also appears in the audio adjust functions (see page 50).

42

Advanced Operation—*Continued*

Using the DVD Multichannel Input

The DVD multichannel input is for connecting a component with individual 5.1-channel analog audio outputs, such as a DVD player or MPEG decoder.
See "DVD Multichannel Connection" on page 22 for hookup details.
This section explains how to select the DVD multichannel input for playback.

1
Press the INPUT SELECTOR [DVD] button.
The input source changes to DVD.

2
Press the REMOTE MODE [AMP] button followed by the [SETUP] button.
The DVD multichannel input needs to be selected in the setup menus.

3
Use the Up and Down [▲]/[▼] buttons to select "4. Input Set," and then press [ENTER].

4
Use the Up and Down [▲]/[▼] buttons to select "Audio," and then use the Left and Right [◄]/[►] buttons to select "Multi."

Audio:Multi

5
Press the [SETUP] button.
The setup menu closes.

6
Start playback on your DVD player.

Notes:
• When the DVD multichannel input (Multi) is selected, the Multichannel Direct (MLT Direct) listening mode is selected.

• While the DVD multichannel input is selected, the Speaker Configuration settings on page 46 are ignored, and signals from the multichannel input are fed to the front left, front right, center, surround left, and surround right speakers and subwoofer regardless of those settings.

Adjusting the Volume of Individual Speakers for the Multichannel Input

While using the multichannel input, you can adjust the volume of individual speakers.

1
Press the REMOTE MODE [AMP] button, and then use the [CH SEL] button to select each speaker.
Speakers are selected in the following order.

Front left → Center → Front right

Subwoofer ← Surr right

Surr left

2
Use the [LEVEL–] and [LEVEL+] buttons to adjust the volume.
The volume can be adjusted from –12 to +12 (–30 to +12 for the subwoofer).

Note:
• You cannot select speakers that are set to No or Non on the Speaker Configuration menu (see page 46).
• These settings are not the same as those in "Speaker Level Calibration (Test Tone)" on page 28.
• These settings affect only the DVD multichannel input and have no effect on the other inputs.

43

Advanced Operation—*Continued*

AMP

DISPLAY

RC-577S
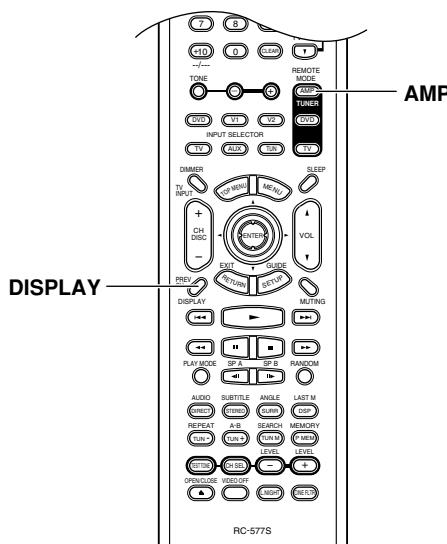
Displaying Source Information

You can display information about the current input source.

Press the REMOTE MODE [AMP] button, and then press the [DISPLAY] button repeatedly to cycle through the available information.
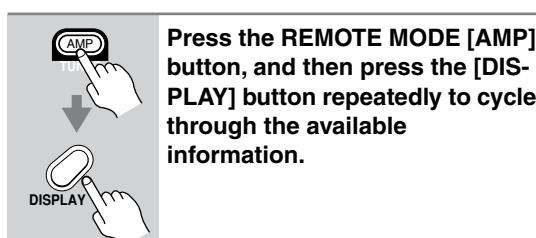
The following information can typically be displayed for input sources.

■ Analog Input Signals

Input source & volume ⟷ Listening mode

STEREO
Stereo

■ PCM Input Signals

Input source & volume → Sampling rate*[1] →
Sampling rate[1] ← Input source & listening mode ←

PCM fs : 32 kHz

■ Other Digital Input Signals

→ Input source & volume → Listening mode →
Input signal & surround format*[1, 2] ←
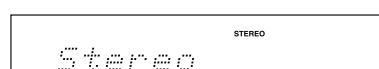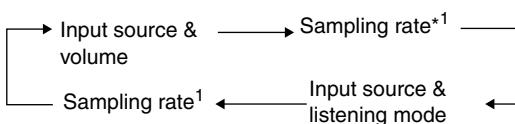
DIGITAL
Dolby D 3/2.1
       A B C
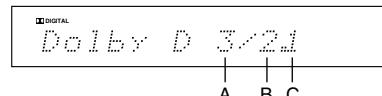
*1 If the input signal doesn't contain rate information, nothing will be displayed. The sampling rate or surround format is displayed for about three seconds. After that, the previously displayed information reappears.

*2 Surround Format Display (e.g., 3/2.1)
The surround format display works as follows:

A: the number of front channels.
   3: front left, center, and front right.
   2: front left and front right.
   1: one channel.
B: the number of surround channels.
   3: surround left, surround right, and surround back.
   2: surround left and surround right.
   1: one channel.
C: the presence of an LFE (Low Frequency Effects) channel.
   1: yes.
   Nothing means no.

For example, 3/2.1 indicates that the input source has 5.1 channels, consisting of three front channels, two surround channels, and an LFE channel. Likewise, 3/3.1 indicates the input source has 6.1 channels, consisting of three front channels, two surround channels, a surround back channel, and an LFE channel.

Advanced Operation—*Continued*

Recording

This section explains how to record to an AV component with recording capability.

Input Selector   **MASTER VOLUME**
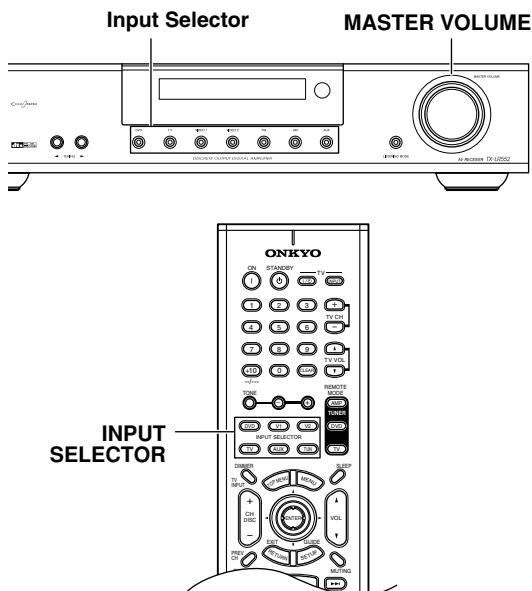
INPUT SELECTOR

Recording the Current Input Source

You can record the audio and video, or just the audio from the current input source to an AV component connected to the VIDEO 1 OUT and AUDIO VIDEO 1 OUT sockets.
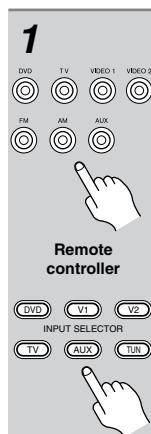
1	**Use the Input Selector buttons to select the input source that you want to record.** Audio signals from the selected input source are output by the AUDIO VIDEO 1 OUT sockets. Video signals from the selected input source are output by the VIDEO 1 OUT sockets. You can listen to and watch the selected input source while recording. The TX-LR552's MASTER VOLUME control has no effect on recording.
2	**Start recording on the AV component connected to the VIDEO 1 OUT sockets.**
3	**Start playback on the source component.**

Remote controller

Notes:
- You cannot record audio from a component that's connected to a DIGITAL INPUT. You must use an analog audio input.
- Surround sound and DSP listening mode effects cannot be recorded.
- You cannot record from a component that's connected to the DVD multichannel input.
- If you select another input source while recording, that source will be recorded instead.
- Copy-protected DVDs cannot be recorded.
- DTS signals will be recorded as noise, so don't try and record from DTS CDs or LDs.

Recording from Separate AV Sources

You can record audio and video from two separate sources, allowing you to overdub audio onto your video recordings. This works because when an audio-only input source (i.e., TUNER, TV, or AUX) is selected, the video input source remains the same. For example, if you select the VIDEO 2 input source, followed by the AUX input source, you can watch video from the VIDEO 2 input while listening to audio from the AUX input.

In the following example, audio from a CD player connected to the AUX IN sockets, and video from a camcorder connected to the VIDEO 2 IN socket are recorded by a VCR, which is connected to the VIDEO 1 OUT sockets.

1	**Prepare the camcorder and CD player for playback.**
2	**Prepare the VCR for recording.**
3	**Select the VIDEO 2 Input Selector button.** This selects the camcorder as the video source.
4	**Select the AUX Input Selector button.** This selects the CD player as the audio source, but leaves the camcorder as the video source.
5	**Start recording on the VCR and start playback on the camcorder and CD player.** The video from the camcorder and the audio from the CD player are recorded by the VCR.

Notes:
- Audio from only the TUNER, TV, and AUX input sources can be recorded.

45

Advanced Setup

Settings in this chapter cannot be set while the DVD multichannel input is selected, Speaker B is on, or a pair of headphones is connected to the PHONES jack.

Speaker Setup (Advanced)

Speaker Configuration

This section explains how to specify which speakers are connected and their sizes.

For speakers with a cone diameter larger than 6-1/2 inches (16 cm), specify *Lrg*. For those with a smaller diameter, specify *Sml*.
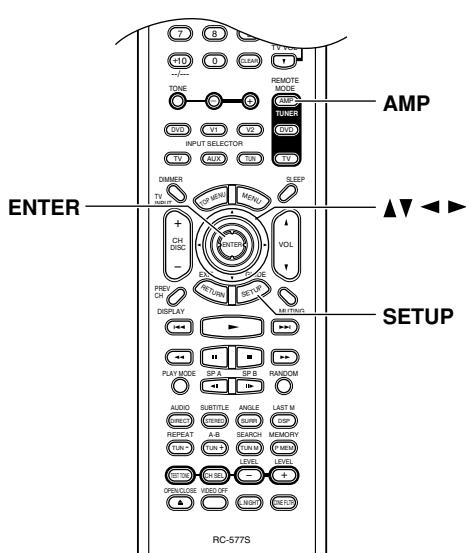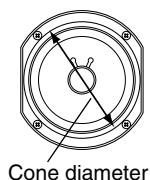
Cone diameter

AMP

ENTER

▲▼ ◄ ►

SETUP

RC-577S

1 **Press the REMOTE MODE [AMP] button followed by the [SETUP] button.**

2 **Use the Up and Down [▲]/[▼] buttons to select "1. SP Config," and then press [ENTER].**

    1.SP Config

3 **While the Subwoofer setting is selected, use the Left and Right [◄]/[►] buttons to select:**

Yes: Select if a subwoofer is connected.

No: Select if no subwoofer is connected.

4 **Use the Down [▼] button to select "Front," and then use the Left and Right [◄]/[►] buttons to select:**

Sml: Select if the front speakers are small.

Lrg: Select if the front speakers are large.

Note:
• If the Subwoofer setting in step 3 is set to No, this setting is fixed at Lrg and cannot be changed.

5 **Use the Down[▼] button to select "Center," and then use the Left and Right [◄]/[►] buttons to select:**

Sml: Select if the center speaker is small.

Lrg: Select if the center speaker is large.

Non: Select if no center speaker is connected.

Note:
• If the Front setting in step 4 is set to Sml, the Lrg option cannot be selected.

6 **Use the Down[▼] button to select "Surr," and then use the Left and Right [◄]/[►] buttons to select:**

Sml: Select if the surround left and right speakers are small.

Lrg: Select if the surround left and right speakers are large.

Non: Select if no surround left and right speakers are connected.

Note:
• If the Front setting in step 4 is set to Sml, the Lrg option cannot be selected.

46

Advanced Setup—*Continued*
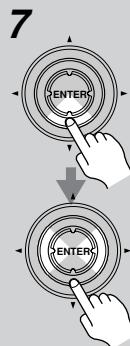
7 **Use the Down [▼] button to select "Surr B," and use the Left and Right [◄]/[►] buttons to select:**

   Sml: Select if the surround back speaker is small.

   Lrg: Select if the surround back speaker is large.

   Non: Select if no surround back speaker is connected.

Notes:
- If the Surround setting in step 6 is set to Non, this setting does not appear.
- If the Surround setting in step 6 is set to Sml, the Lrg option cannot be selected.

8 **Press the [SETUP] button.**
The setup menu closes.

Notes:
- When the SP Detect function is used (page 28), these Speaker Configuration settings will change.

Crossover Frequency

To get the best bass performance from your speaker system, you need to set the crossover frequency according to the size and frequency response of your subwoofer and other speakers (front, center, and surround).
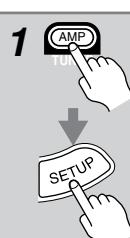
1 **Press the REMOTE MODE [AMP] button followed by the [SETUP] button.**

2 **Use the Up and Down [▲]/[▼] buttons to select "1. SP Config," and then press [ENTER].**

1.SP Config
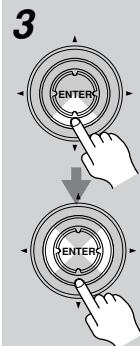
3 **Use the Down [▼] button to select "Xover," and then use the Left and Right [◄]/[►] buttons to select a crossover frequency.**
Choose a crossover frequency suitable for your speaker system.

If you're using a subwoofer, choose a crossover frequency based on the diameter of your front speakers.

If you're not using a subwoofer, use the diameter of the first speaker that you specified as Sml in steps 4 through 7 in the "Speaker configuration" settings.

Speaker cone diameter	Crossover frequency
Over 8 in. (20 cm)	60Hz
6-1/2 to 8 in. (16–20 cm)	80Hz
5-1/4 to 6-1/2 in. (13–16 cm)	100Hz (default)
3-1/2 to 5-1/4 in. (9–13 cm)	120Hz
Under 3-1/2 in. (9 cm)	150Hz

4 **Press the [SETUP] button.**
The setup menu closes.

Note:
- For a more accurate setting, look up the frequency response in the manuals supplied with your speakers and set accordingly. In addition, listen to some music that you know well and choose a higher crossover frequency if you think there's not enough sound coming from the subwoofer; a lower setting if you think there's too much.

47

Advanced Setup—*Continued*

Speaker Distance

To get the best from surround sound, it's important that the sound from each speaker reaches the listener at the same time. To achieve this, you need to specify the distance from each speaker to the listening position.

ONKYO

RC-577S

AMP

INPUT
SELECTOR

ENTER

SETUP

▲▼ ◄ ►
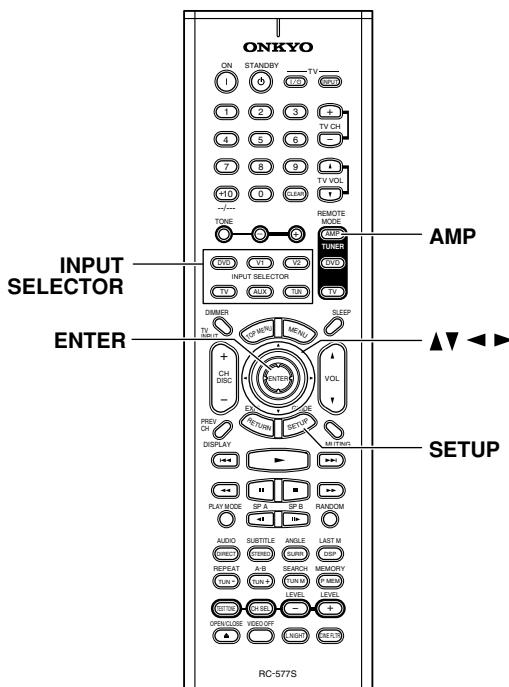
DISPLAY

1	Measure and make a note of the distance from each speaker to the listening position.
2	Press the REMOTE MODE [AMP] button followed by the [SETUP] button.
3	Use the Up and Down [▲]/[▼] buttons to select "2. SP Dist," and then press [ENTER]. 2.SP Dist

4	Use the [DISPLAY] button to select m (meters) or ft. (feet). **m:** Distances can be set from 0.3 to 9 meters in 0.3-meter steps. **ft:** Distances can be set from 1 to 30 feet in 1-foot steps.
5	Use the Left and Right [◄]/[►] buttons to specify the distance for "Front," then press the Down [▼] button to select the next speaker.
6	Repeat step 5 for all speakers. **Note:** Speakers that you set to No or Non in the Speaker Configuration (page 46) cannot be selected.
7	Press the [SETUP] button. The setup menu closes.

Notes:
- The Center and Subwoofer distances can be set up to 5 ft. (1.5 m) more or less than the Front distance. For example, if the Front distance is set to 20 ft. (6 m), the Center and Subwoofer distances can be set between 15 and 25 ft. (4.5 and 7.5 m).
- The Surr Right, Surr Left, and Surr Back distances can be set up to 5 ft. (1.5 m) more or 15 ft. (4.5 m) less than the Front distance. For example, if the Front distance is set to 20 ft. (6 m), the SurrRight, Surr Left, and Surr Back distances can be set between 5 and 25 ft. (1.5 and 7.5 m).

48

Advanced Setup—*Continued*

Input Source Audio Setup

Setting the Audio Input Format
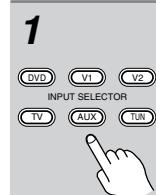
1 Use the INPUT SELECTOR buttons to select the input source that you want to set.
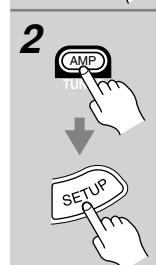
DVD V1 V2
INPUT SELECTOR
TV AUX TUN

2 Press the REMOTE MODE [AMP] button followed by the [SETUP] button.

3 Use the Up and Down [▲]/[▼] buttons to select "4.Input Set," and then press [ENTER].
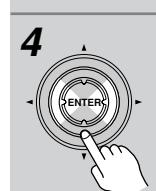
4 Use the Up and Down buttons to select "Audio," and then use the Left and Right [◄]/[►] buttons to select:

Auto: The assigned digital input (page 29) has priority over the input source's analog input. If no digital signal is present, the analog input is used.

Multi: The DVD multichannel input is used.

Analog: The input source's analog input is used even if a digital signal is present at the assigned digital input.
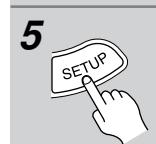
5 Press the [SETUP] button.
The setup menu closes.

Setting the Digital Input Format

Normally, the TX-LR552 detects the format of digital audio signals automatically. However, if you experience either of the following issues when playing PCM or DTS material, you may need to specify the format yourself:

• With PCM material, if the beginnings of tracks are cut off, try setting the format to PCM.

• With DTS material, if noise is produced when fast forwarding or reversing, try setting the format to DTS.
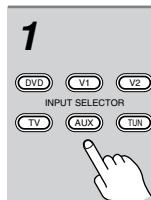
1 Use the INPUT SELECTOR buttons to select the input source that you want to set.
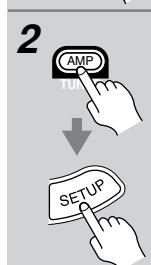
DVD V1 V2
INPUT SELECTOR
TV AUX TUN

2 Press the REMOTE MODE [AMP] button followed by the [SETUP] button.

3 Use the Up and Down [▲]/[▼] buttons to select "4. Input Set," and then press [ENTER].
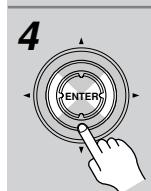
4 Use the Up and Down buttons to select "Format," and then use the Left and Right [◄]/[►] buttons to select:

All: PCM, Dolby Digital, and DTS formats are detected automatically. If no digital signal is present, the input source's analog input is used.

DTS: Select this option if playing DTS sources with the All option produces noise while the TX-LR552 identifies the signal format or when fast forward or fast reverse is used. If the input signal is not DTS, nothing will be output.

PCM: Select this option if playing a CD or other PCM source with the All option causes the tops of tracks to be cut off. If the input signal is not PCM, nothing will be output.

49

Advanced Setup—*Continued*

5 **Press the [SETUP] button.**
The setup menu closes.

Notes:
• Select All or DTS when playing a DTS CD or LD. If you select PCM, only noise will be heard.

TONE – +

ENTER

AMP

▲▼ ◄ ►

SETUP

Audio Adjust Functions

Adjusting the Bass & Treble

You can adjust the bass and treble of the front speakers, except when using the Direct listening mode.
If you're using the DVD multichannel input, before pressing the [TONE] button, press the REMOTE MODE [AMP] button followed by the [SURR] button so that "Tone On" appears on the display.

```
Tone On
```
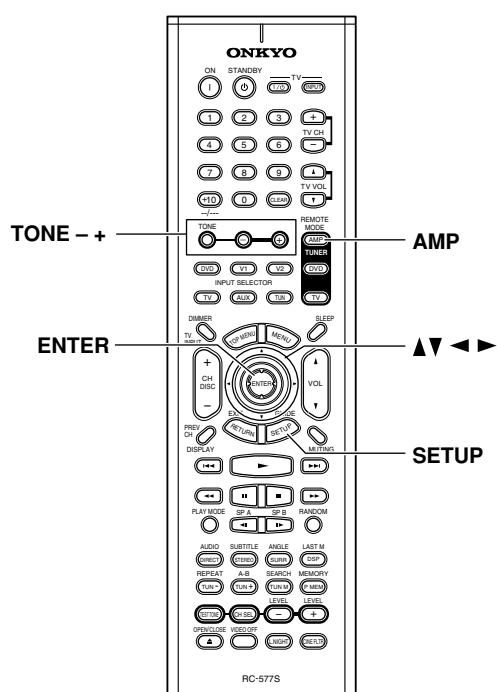
■ **Adjusting with the Remote Controller**

1 **Press the REMOTE MODE [AMP] button, and then press the [TONE] button repeatedly to select either Bass or Treble.**

2 **Use the TONE [–] & [+] buttons to adjust the bass and treble.**
The bass and treble can be adjusted from –12 dB to +12 dB in 2 dB steps (default 0 dB).

Notes:
• Always adjust the bass and treble after selecting a listening mode.
• To bypass the bass and treble tone circuits, press the [DIRECT] button to select the Direct listening mode.

50

Advanced Setup—*Continued*

Using the Other Audio Adjust Functions

With the audio adjust functions you can tailor the sound to your personal taste.

Before using the audio adjust functions, choose a listening mode first.

1 Press the REMOTE MODE [AMP] button followed by the [SETUP] button.

2 Use the Up and Down [▲]/[▼] buttons to select "5. Audio Adj," and then press [ENTER].

5.Audio Adj

3 Use the Up and Down [▲]/[▼] buttons to select an audio adjust function, and then use the Left and Right [◄]/[►] buttons to adjust it.
Note that the functions available depends of the currently selected listening mode.

4 Press the [SETUP] button.
The setup menu closes.

All of the audio adjust functions are explained below.

■ Mono In

With this function you can specify how 2-channel sources are handled in the Mono listening mode.

L+R: The front left and right speakers output a mono mix of the left and right channels (default).

L: The front left and right speakers output the sound recorded in the left channel. Use this option with material that has different languages recorded in the left and right channels.

R: The front left and right speakers output the sound recorded in the right channel. Use this option with material that has different languages recorded in the left and right channels.

■ D. Bass (Double Bass)

The Double Bass function boosts the bass by feeding bass sounds from the front left and right channels to the subwoofer. To use this function, in the Speaker Configuration, the Subwoofer setting must be set to Yes, and the Front setting must be set to Lrg (see page 46).

On: Double Bass function on.

Off: Double Bass function off.

■ L. Night (Late Night) (Dolby Digital only)

This is the same as the Late Night function on page 42. It can be used only with Dolby Digital listening mode.

■ Cine Flt (Cinema Filter)

This is the same as the CinemaFILTER function on page 42. It can be used with the following listening modes: Dolby Digital, Dolby Digital EX, Dolby Pro Logic IIx Movie, DTS, DTS-ES, DTS Neo:6 Cinema, DTS 96/24, DTS+Neo:6, and DTS+Dolby EX.

DTS Neo:6 Music Mode & Audio Adjust

This audio adjust function can be used with the DTS Neo:6 Music listening mode.

■ C Image (Center Image)

The DTS Neo:6 Music listening mode creates 6-channel surround sound from 2-channel (stereo) material. With this function you can specify by how much the front left and right channel output is attenuated in order to create the center channel. It can be adjusted from 0 to 5 (default 3)

When set to 0, the front left and right channel output is attenuated by half (–6 dB), giving the impression that the sound is located centrally. This setting works well when the listening position is considerably off center. When set to 5, the front left and right channels are not attenuated, maintaining the original stereo sound balance.

Advanced Setup—*Continued*

PL II & PL IIx Music Modes & Audio Adjust

The following Panorama, Dimension, and Center Width functions can be used with only the Pro Logic II Music or Pro Logic IIx Music listening mode. They cannot be adjusted if you're using the Pro Logic IIx listening mode for 6.1-channel playback from a 5.1-channel source.

■ Panrma (Panorama)

With this function you can broaden the width of the front stereo image when using the Pro Logic II Music or Pro Logic IIx Music listening mode.

On: Panorama function on.

Off: Panorama function off (default).

■ Dimension

With this function you can move the sound field forward or backward when using the Pro Logic II Music or Pro Logic IIx Music listening mode. The default setting is 3. Lower settings move the sound field forward. Higher settings move it backward.

If the stereo image feels too wide, or there's too much surround sound, move the sound field forward to improve the balance. Conversely, if the stereo image feels like it's in mono, or there's not enough surround sound, move it backward.

■ C Width (Center Width)

With this function you can adjust the width of the sound from the center speaker when using the Pro Logic II Music or Pro Logic IIx Music listening mode.

If you're using a center speaker, with Pro Logic II or Pro Logic IIx, the center channel sound is output by only the center speaker. (If you're not using a center speaker, the center channel sound will be distributed to the front left and right speakers to create a phantom center.) This setting controls the front left, right, and center mix, allowing you to adjust the weight of the center channel sound. It can be adjusted from 0 to 7 (default 3).

52

Controlling Other Components

You can use the TX-LR552's remote controller (RC-577S) to control your DVD player and TV, even if it's made by another manufacturer. To do this, you first need to enter the appropriate remote control code for your DVD player and TV. Then you need to select the corresponding remote controller mode (see page 10).

Transmit indicator

STANDBY

Number buttons

DVD

TV
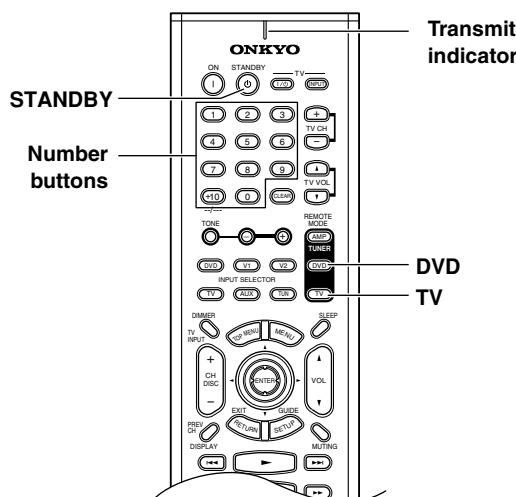
Entering Remote Control Codes

Entering the appropriate remote control code for your DVD player and TV will allow you to control them with the TX-LR552's remote controller. You'll need to perform this procedure twice to enter the codes for both your DVD player and TV.

1	**Look up the remote control code for your DVD player or TV.** See "Remote Control Codes" on page 54.
2	**While holding down the REMOTE MODE [DVD] or [TV] button, press the [STANDBY] button.**
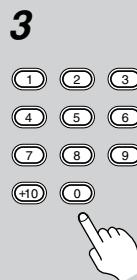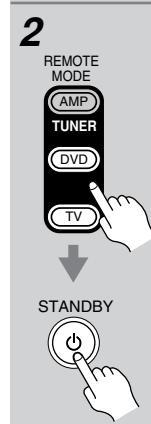
3	**Within 30 seconds, use the number buttons to enter the 4-digit remote control code.**
4	**Select the remote controller mode, point the remote controller at your DVD player or TV, and check its operation.** Remote controller buttons that can be used with DVD mode are shown on page 12. Those that can be used with TV mode are shown on page 11.

If the remote controller doesn't work as expected, try entering the code again, or try another code.

Codes for Onkyo DVD Players

The remote control code you use for an Onkyo DVD player depends on whether it's connected via RI, as follows:

5001: Use this code if you've connected an RI cable and an analog audio cable (RCA) to your DVD player. This is the default setting, so if you're using RI, you don't need to change anything. Point the remote controller at the TX-LR552 to control the DVD player.

5002: Use this code if your DVD player doesn't have an RI socket, or you're not using RI. Point the remote controller at the DVD player to control it.

Controlling Other Components—*Continued*

Remote Control Codes

When two or more codes are given, try each one in turn, and choose the one that works best.

Depending on the manufacturer and the component, the remote controller may not work as expected.

DVD (DVD player)

Manufacturer	Control code
Aiwa	5010
Akai	5019
Apex	5015, 5016
CyberHome	5027
Denon	5017, 5020
GE	5003
Hitachi	5009
Integra	5001, 5002
Integra Research	5001, 5002
JVC	5023
Kenwood	5017
Magnavox	5004, 5021
Marantz	5025, 5026
Mitsubishi	5005
Onkyo	5001, 5002
Panasonic	5011, 5017, 5020
Philips	5004, 5021, 5028
Pioneer	5006
Proscan	5003
RCA	5003
Sanyo	5012
Sony	5007, 5013, 5018, 5029
Technics	5020
Thomson	5022, 5024
Toshiba	5008, 5021
Xbox	5022
Yamaha	5020
Zenith	5014, 5021

TV

Manufacturer	Control code
Admiral	1026, 1040, 1062
Akai	1002, 1067
Akura	1045
Alba	1035, 1043
Amplivision	1063
Amstrad	1035, 1067
Amtron	1009
Anam National	1003, 1009
Anitech	1035
AOC	1004, 1005, 1006
Arc en Ciel	1066
Arcam	1063
ASA	1040
Audiovox	1009
Autovox	1040, 1068
Baird	1069
Bang & Olufsen	1040
Baur	1036, 1054, 1055, 1058, 1059, 1068
Beko	1052
Bell & Howell	1010, 1017
Binatone	1063
Blaupunkt	1041, 1042, 1044, 1058, 1059
Boots	1063
Brionvega	1040
Bruns	1040
BSR	1048
Bush	1035, 1043, 1048, 1050, 1053, 1057
Cascade	1035
Celebrity	1002
Century	1040
Cimline	1035, 1043
Citizen	1004, 1006, 1009, 1017, 1022, 1025
Clatronic	1052
Colortyme	1004, 1006
Condor	1052
Contec	1035
Contec/Cony	1007, 1009
Continental Edison	1066
Craig	1009
Crosley	1040
Crown	1009, 1014, 1035, 1052
Curtis Mathes	1001, 1004, 1006, 1010, 1017, 1022, 1025, 1034
Daewoo	1004, 1005, 1006, 1025, 1035, 1053
Daytron	1004, 1006, 1025, 1035
Decca	1067
Dimensia	1001, 1034
Dixi	1035
Dual	1057, 1068
Dumont	1004, 1039, 1040
Electroband	1002
Electrohome	1002, 1003, 1004, 1006, 1008
Elta	1035

TV

Manufacturer	Control code
Emerson	1004, 1006, 1007, 1009, 1010, 1017, 1025, 1027, 1029, 1033, 1040, 1070
Envision	1004, 1006
Erres	1037
Europhon	1067
Fidelity	1068
Finlux	1039, 1040, 1067
Firstline	1035, 1043, 1048, 1049, 1063
Fisher	1010, 1017, 1052, 1063, 1068
Formenti	1040
Frontech	1045, 1062
Fujitsu	1070
Funai	1009, 1045, 1048, 1070
GE	1001, 1003, 1004, 1006, 1011, 1012, 1019, 1034
GEC	1038, 1063, 1067, 1069
Geloso	1035
Genexxa	1062
GoldStar	1004, 1005, 1006, 1007, 1008, 1025, 1047, 1063
Goodmans	1043, 1053, 1063
Gorenje	1052
Graetz	1062, 1069
Granada	1063, 1067
Grundig	1039, 1041, 1042, 1058, 1059, 1064
Hallmark	1004, 1006
Hanseatic	1060, 1068
Hantarex	1067
HCM	1035
Hinari	1035, 1043
Hitachi	1004, 1006, 1007, 1013, 1027, 1038, 1062, 1063, 1069
Huanyu	1053
ICE	1045, 1063
Imperial	1052
Infinity	1014
Inno Hit	1056, 1067
Interfunk	1055, 1062, 1066, 1069
Intervision	1045, 1063
ITT	1062, 1068, 1069
JBL	1014
JC Penney	1001, 1004, 1005, 1006, 1011, 1012, 1016, 1019, 1022, 1025, 1034
Jensen	1004, 1006
JVC	1007, 1012, 1013, 1015, 1033
Kaisui	1035, 1063
Kapsch	1062, 1069
Kathrein	1060
Kawasho	1002, 1004, 1006
Kendo	1043
Kenwood	1004, 1006, 1008
Kloss Novabeam	1009
Korting	1040
KTV	1009, 1025
LG	1005

54

Controlling Other Components—*Continued*

TV Manufacturer	Control code
Loewe	1014, 1040, 1055
Luxman	1004, 1006
LXI	1001, 1006, 1010, 1014, 1016, 1017, 1034
M Electronic	1035, 1053, 1062, 1063
Magnadyne	1040, 1067, 1068
Magnafon	1067
Magnavox	1004, 1006, 1008, 1014, 1018, 1020
Marantz	1004, 1006, 1014, 1060
Matsui	1035, 1043, 1048, 1050, 1063, 1064, 1067, 1068
Megatron	1006
Memorex	1005, 1006, 1010, 1017, 1035
Metz	1040, 1051, 1058
MGA	1004, 1005, 1006, 1008
Minerva	1039, 1058, 1059, 1064
Mitsubishi	1004, 1005, 1006, 1008, 1040, 1055, 1058
Mivar	1047, 1056, 1067
Motorola	1003, 1026
MTC	1004, 1005, 1006, 1022, 1055
Multitech	1009, 1035
NAD	1006, 1016
NEC	1003, 1004, 1005, 1006
Neckermann	1040, 1041, 1054, 1059, 1060
Nikkai	1045
Nikko	1006
Oceanic	1062
Onwa	1009
Optonica	1021, 1026
Orion	1029, 1043, 1048, 1049, 1050, 1067, 1068
Osaki	1045, 1063
Otto Versand	1036, 1041, 1043, 1054, 1055, 1058, 1059, 1060, 1063
Palladium	1052
Panasonic	1003, 1012, 1014, 1031, 1044, 1046, 1051, 1061, 1062, 1069
Pathe Marconi	1066
Philco	1003, 1004, 1005, 1006, 1007, 1008, 1014, 1018, 1040
Philips	1003, 1004, 1007, 1008, 1014, 1018, 1019, 1020, 1037, 1038, 1040, 1053, 1059, 1060
Phoenix	1040
Phonola	1037, 1040
Pioneer	1004, 1006, 1027, 1062
Portland	1004, 1005, 1006, 1025
Price Club	1022
Prism	1012
Profex	1035
Proline	1049
Proscan	1001, 1034
Protech	1035, 1045, 1063
Proton	1004, 1006, 1007
Pye	1037

TV Manufacturer	Control code
Quasar	1003, 1012, 1031
Quelle	1036, 1039, 1054, 1055, 1058, 1059, 1068
Radio Shack	1010, 1017, 1034
Radio Shack/ Realistic	1001, 1004, 1006, 1007, 1009, 1010, 1017, 1021, 1025
Radiola	1037
Radiomarelli	1040, 1067
RCA	1001, 1003, 1004, 1005, 1006, 1008, 1027, 1034
Realistic	1010, 1017, 1034
Rex	1045, 1062
RFT	1040
Roadstar	1035, 1045
Saba	1040, 1062, 1066, 1069
Saisho	1035, 1043, 1045, 1067, 1068
Salora	1062
Sambers	1056, 1067
Sampo	1004, 1006, 1025
Samsung	1004, 1005, 1006, 1007, 1008, 1022, 1025, 1035, 1045, 1047, 1052, 1056, 1060, 1063, 1065
Sansui	1029
Sanyo	1004, 1010, 1017
SBR	1037, 1038
Schaub Lorenz	1069
Schneider	1068
Scott	1004, 1006, 1007, 1009, 1070
Sears	1001, 1004, 1006, 1008, 1010, 1015, 1016, 1017, 1028, 1034, 1070
SEG	1045, 1063
SEI	1036, 1040, 1048, 1067, 1068
Seleco	1062
Sharp	1004, 1006, 1007, 1021, 1023, 1025, 1026
Shorai	1048
Siarem	1040, 1067
Siemens	1041, 1042, 1058, 1059
Singer	1040
Sinudyne	1036, 1040, 1043, 1067, 1068
Solavox	1062
Sonoko	1035
Sonolor	1062
Sony	1002, 1030, 1032, 1036, 1054
Soundesign	1004, 1006, 1009, 1070
Starlite	1009
Stern	1062
Sunkai	1043, 1048, 1049, 1050
Sylvania	1004, 1006, 1008, 1014, 1018, 1020
Symphonic	1009, 1028
Tandy	1026, 1062, 1063
Tashiko	1038, 1063
Tatung	1003, 1063, 1067
Tec	1063

TV Manufacturer	Control code
Technics	1012, 1044, 1061
Techwood	1004, 1006, 1012
Teknika	1004, 1005, 1006, 1007, 1009, 1022, 1025, 1031, 1070
Teleavia	1066
Telecaption	1024
Telefunken	1066
Teletech	1035
Teleton	1063
Tensai	1048
Thomson	1066
Thorn	1054, 1055, 1058
Toshiba	1010, 1016, 1017, 1022, 1024, 1039
Totevision	1025
Triumph	1067
Universal	1011, 1019
Universum	1045, 1052, 1058
Voxson	1040, 1062
Waltham	1063
Wards	1001, 1004, 1005, 1006, 1008, 1011, 1014, 1018, 1019, 1020, 1021, 1034, 1070
Watt Radio	1068
Wega	1040
Yamaha	1004, 1005, 1006, 1008
Yoko	1045, 1063
Zenith	1004

Controlling Other Components—*Continued*

Resetting the Remote Mode Buttons

TV ⏻/⏼

DVD
TV
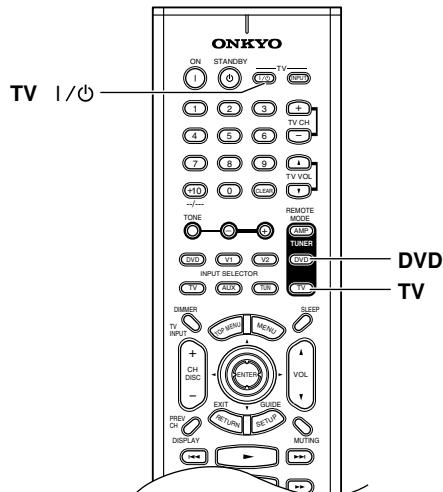
This section explains how to reset the REMOTE MODE [DVD] or [TV] button to its default control code.

1	**While holding down the REMOTE MODE [DVD] or [TV] button, press the TV [⏻/ǀ] button.** Release the buttons.

REMOTE MODE
AMP
TUNER
DVD
TV

TV
ǀ/⏻   INPUT

2	**Press the same REMOTE MODE button again.** The button is reset.

Notes:
- The default control code for the REMOTE MODE [DVD] button is Onkyo, 5001.
- The default control code for the REMOTE MODE [TV] button is Hitachi, 1071.

Resetting the Remote Controller

STANDBY

AMP
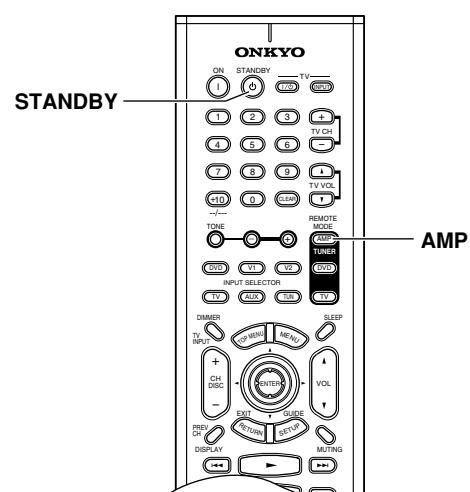
This section explains how to reset the remote controller to its default settings.

1	**While holding down the REMOTE MODE [AMP] button, press the [STANDBY] button.** Release the buttons.

AMP

STANDBY
⏻

2	**Press the [AMP] mode button again.** The remote controller is reset to its defaults.

56

Troubleshooting

If you have any trouble using your TX-LR552, look for a solution in this section. If you can't resolve the issue yourself, contact your Onkyo dealer.

Power

Can't turn on the TX-LR552?
- Make sure that the power cord is properly plugged into the wall outlet.
- Unplug the power cord from the wall outlet, wait five seconds or more, then plug the cable in again.

The TX-LR552 turns off as soon as it's turned on?
- The amp protection circuit has been activated. Remove the power cord from the wall outlet immediately and contact your Onkyo dealer.

Audio

There's no sound, or it's very quiet?
- Make sure that all audio connecting plugs are pushed in all the way (page 18).
- Make sure that the inputs and outputs of all components are connected properly (page 18).
- Make sure that the polarity of the speaker cables is correct and that the bare wires are in contact with metal part of each speaker terminal (page 15)
- Make sure that the input source is properly selected (page 31).
- Check the volume setting. It can be set to MIN, 1 through 79, or MAX (page 31).
  The TX-LR552 is designed for home theater enjoyment. It has a wide volume range, allowing precise adjustment.
- If the MUTING indicator is shown on the display, press the remote controller's [MUTING] button to unmute the TX-LR552 (page 32).
- While a pair of headphones is connected to the PHONES jack, no sound is output by the speakers (page 33).
- Check the digital audio output setting on the connected component. On some games consoles, such as those that play DVDs, the default setting is off.
- With some DVD-Video discs, you need to select an audio output format from a DVD-Video disc menu.
- Make sure that the correct input signal audio format is selected (page 49).
- To use a turntable with an MC-type cartridge requires a commercially available MC phono preamp (page 26).
- Make sure that none of the connecting cables are bent, twisted, or damaged.
- Not all listening modes use all of the speakers (page 40).
- Specify the speaker distances (page 48) and adjust the individual speaker levels (page 28).

Only the front speakers produce sound?
- When the Stereo listening mode is selected, only the front speakers and subwoofer produce sound.
- When the Direct listening mode is selected, only the front speakers produce sound.
- Make sure the speakers are configured correctly (page 46).

Only the center speaker produces sound?
- If you use the Pro Logic II Movie/Music or Pro Logic IIx Movie/Music listening mode with a mono source, such as an AM radio station or mono TV program, the sound is concentrated in the center speaker.
- Make sure the speakers are configured correctly (page 46).

The surround speakers produce no sound?
- When the Stereo or Direct listening mode is selected, the surround speakers produce no sound (page 40).
- Depending on the source and current listening mode, not much sound may be produced by the surround speakers. Try selecting another listening mode.
- Make sure the speakers are configured correctly (page 46).

The center speaker produces no sound?
- When the Mono, Stereo, or Direct listening mode is selected, the center speaker produces no sound (page 40).
- When the Orchestra listening mode is selected, the center speaker produces no sound (page 40).
- Make sure the speakers are configured correctly (page 46).

The surround back speakers produce no sound?
- The surround back speakers are not used with all listening modes. Select another listening mode (page 37).
- Not much sound may be produced by the surround back speakers with some sources.
- If you are using a Dolby Digital EX or DTS-ES source, make sure that the Dolby Digital/DTS setting is set to On (page 41).
- Make sure the speakers are configured correctly (page 46).

The subwoofer produces no sound?
- When playing material that contains no information in the LFE channel, the subwoofer produces no sound.
- Make sure the speakers are configured correctly (page 46).
- Speaker set A is turned off. The subwoofer output does not work while only speaker set B is on. Turn on speaker set A.

Troubleshooting—*Continued*

There's no sound with a certain signal format?
• Check the input signal format setting. Depending on the input source, you can select Auto, Multich, Analog, DTS, or PCM (page 49).
• Check the digital audio output setting on the source component. On some games consoles, such as those that play DVDs, the default setting is off.
• With some DVD-Video discs, you need to select an audio output format from a menu.
• Depending on the input signal, some listening modes cannot be selected (page 40).

Can't select the DTS-ES Discrete/Matrix or THX Surround EX listening modes?
• These modes cannot be selected when no surround back speakers are connected.

The volume won't go up to 79?
• When the levels of all speakers have been calibrated (page 28), the maximum volume setting may change.

Noise can be heard?
• Using cable ties to bundle audio cables with power cords, speaker cables, and so on may degrade the audio performance, so don't do it.
• An audio cable may be picking up interference. Try repositioning your cables.

The Late Night function doesn't work?
• Make sure the source material is Dolby Digital (page 42).

The DVD multichannel input doesn't work?
• Check the DVD MULTI CH IN connections (page 22).
• Set the audio input signal format to Multich (page 49).

About DTS signals
• When DTS playback finishes and the DTS bitstream stops, the TX-LR552 remains in DTS listening mode and the DTS indicator remains on. This is to prevent noise when you use the pause, fast forward, or fast reverse function on your player. If you switch your player from DTS to PCM, because the TX-LR552 does not switch formats immediately, you may not hear any sound, in which case you should stop your player for about three seconds, and then resume playback.
• With some CD and LD players, you won't be able to playback DTS material properly even though your player is connected to a digital input on the TX-LR552. This is usually because the DTS bitstream has been processed (e.g., output level, sampling rate, or frequency response changed) and the TX-LR552 doesn't recognize it as a genuine DTS signal. In such cases, you may hear noise.
• When playing DTS material, using the pause, fast forward, or fast reverse function on your player may produce a short audible noise. This is not a malfunction.

Video

There's no picture?
• Make sure that all video connecting plugs are pushed in all the way (page 18).
• Make sure that each video component is properly connected.
• The TX-LR552 doesn't convert between video formats. It works as a video signal switcher. Composite video input signals are output only by the composite video output. S-Video input signals are output only by the S-Video output. And component video input signals are output only by the component video outputs.
• On your TV, make sure that the video input to which the TX-LR552 is connected is selected.

Tuner

Reception is noisy, FM stereo reception is noisy, or the FM STEREO indicator doesn't appear?
• Relocate your antenna.
• Move the TX-LR552 away from your TV or computer.
• Try using the AUTO FM mode (page 34).
• When listening to an AM station, operating the remote controller may cause noise.
• Passing cars and airplanes can cause interference.
• Concrete walls weaken radio signals.
• If none of the above improves reception, install an outdoor antenna.

Remote Controller

The remote controller doesn't work?
• Make sure that the batteries are installed with the correct polarity (page 9).
• Install new batteries. Don't mix different types of batteries or old and new batteries (page 9).
• Make sure that the remote controller is not too far away from the TX-LR552, and that there's no obstruction between the remote controller and the TX-LR552's remote control sensor (page 9).
• Make sure that the TX-LR552 is not subjected to direct sunshine or inverter-type fluorescent lights. Relocate if necessary.
• If the TX-LR552 is installed in a rack or cabinet with colored-glass doors, the remote controller may not work reliably when the doors are closed.
• Make sure you've selected the correct remote controller mode (page 10).
• When using the remote controller to control other manufacturers' AV components, some buttons may not work as expected.
• Make sure you've entered the correct remote control code.

58

Troubleshooting—*Continued*

Can't control other components?
- If it's an Onkyo DVD player, make sure that the RI cable and analog audio cable (RCA) are connected properly. Connecting only an RI cable won't work (page 27).
- Make sure you've selected the correct remote controller mode (pages 10, 12, and 11).

Recording

Can't record?
- On your recorder, make sure the correct input is selected.
- Digital signals cannot be recorded.

Others

The sound changes when I connect my headphones?
- When a pair of headphones is connected, the listening mode is set to Stereo, unless it's already Stereo or Direct. When you disconnect the headphones, the previous listening mode is resumed.

Can't use an audio adjust function?
- Some audio adjust functions can't be used with certain listening modes.

The speaker distance cannot be set as required?
- If the distance between the furthest and nearest speakers is greater than 20 feet (6 meters), corrected values suitable for home theater use will be set automatically (page 48).

Memory backup
The TX-LR552 uses a battery-less memory backup system in order to retain radio presets and other settings when it's unplugged or in the case of a power failure. Although no batteries are required, it must be plugged into an AC outlet in order to charge the backup system. Once it has been charged, the TX-LR552 will retain the settings for several weeks, although this depends on the environment and will be shorter in humid climates.

The TX-LR552 contains a microcomputer for signal processing and control functions. In very rare situations, severe interference, noise from an external source, or static electricity may cause it to lockup. In the unlikely event that this happens, unplug the power cord from the wall outlet, wait at least five seconds, and then plug it back in again.

To reset the TX-LR552 to its factory defaults, turn it on and, while holding down the [◄] TUNING button, press the [STANDBY/ON] button. When the reset is complete, "Clear" appears on the display and the TX-LR552 enters Standby mode.

Onkyo cannot be held responsible for damages (such as CD rental fees) due to recording failures caused by the unit malfunctioning. Before recording something important, do a trial run to make sure that everything is working properly.

59

Specifications

Amplifier Section

Power output:	**Front L/R 65 W + 65 W**
	Center 65 W
	Surround L/R 65 W + 65 W
	Surround back L/R 65 W
	(6 Ω, 1 kHz, FTC)
Dynamic power:	40 W + 40 W (8 Ω, front)
THD (total harmonic distortion):	FTC 5.0% (rated power)
Damping factor:	75 (front, 1 kHz, 8Ω)
Input sensitivity and impedance:	200 mV/47 k Ω (AUX)
Output level and impedance:	200 mV/470 Ω (REC OUT)
Frequency response:	10 Hz–60 kHz/+1.5 dB, –3 dB (AUX)
Tone control:	±12 dB, 100 Hz (BASS)
	±12 dB, 20,000 Hz (TREBLE)
S/N ratio (Direct mode):	100 dB (AUX, IHF-A)
Speaker impedance:	6 Ω – 16 Ω

Video Section

Input sensitivity, output level and impedance:	1.0 Vp-p/75 Ω (component and S-Video Y)
	0.7 Vp-p/75 Ω (component P_B/C_B, P_R/C_R)
	0.28 Vp-p/75 Ω (S-Video C)
	1.0 Vp-p/75 Ω (composite)
Component video frequency response:	5 Hz–50 MHz

Tuner Section

■ FM

Tuning frequency range:	87.5–107.9 MHz
Usable sensitivity:	Stereo 17.2 dBf, 2.0 µV (75 Ω IHF)
	Mono 11.2 dBf, 1.0 µV (75 Ω IHF)
S/N ratio:	Stereo 67 dB (IHF-A)
	Mono 70 dB (IHF-A)
Frequency response:	30 Hz–15 kHz/+1 dB, –1 dB
Stereo separation:	45 dB at 1 kHz

■ AM

Tuning frequency range:	530–1710 kHz
Usable sensitivity:	30 µV
S/N ratio:	40 dB

General

Power supply:	AC 120 V, 60 Hz
Power consumption:	110 W
Standby power consumption:	1.70 W
Dimensions (W x H x D):	17-1/8" x 3-9/16" x 14-7/16"
	(435 x 91 x 367 mm)
Weight:	14.3 lbs. (6.5 kg)

■ Video Inputs

Component video inputs:	2 (COMPONENT VIDEO 1, 2)
S-Video inputs:	3 (DVD, VIDEO 1, VIDEO 2)
Video inputs:	3 (DVD, VIDEO 1, VIDEO 2)

■ Video Outputs

Component video outputs:	1 (MONITOR)
S-Video outputs:	2 (MONITOR, VIDEO 1)
Video outputs:	2 (MONITOR, VIDEO 1)

■ Audio Inputs

Digital inputs:	3 (Optical 1, 2, Coaxial)
Analog inputs:	5 (AUX, VIDEO 1, VIDEO 2, TV, DVD)
Multichannel analog inputs:	1

■ Audio Outputs

Analog outputs:	1 (VIDEO 1)
Subwoofer pre out:	1
Speaker outputs:	6
Phones:	1

Specifications and features are subject to change without notice.

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